D-CJ500/CJ501/CJ506CK

SERVICE MANUAL

Ver 1.1 2002. 05

Photo: D-CJ500

US Model
D-CJ500/CJ506CK
Canadian Model
AEP Model
UK Model
E Model
D-CJ501
Australian Model
D-CJ506CK

Model Name Using Similar Mechanism	D-EQ550
CD Mechanism Type	CDM-3125ER
Optical Pick-up Name	DAX-25E

SPECIFICATIONS

System
Compact disc digital audio system

Laser diode properties
Material: GaAlAs
Wavelength: λ = 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW
(This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

D-A conversion
1-bit quartz time-axis control

Frequency response
20 - 20 000 Hz $^{+1}_{-3}$ dB (measured by JEITA CP-307)

Output (at 4.5 V input level)
CJ500, CJ506CK:
Headphones (stereo minijack)
Approx.5 mW + Approx. 5 mW at 24 Ω
CJ501:
Headphones (stereo minijack)
Approx.5 mW + Approx. 5 mW at 16 Ω
(Approx. 1.5 mW + Approx. 1.5 mW at 16 Ω)*
*For the customers in France

Power requirements
For the area code of the model you purchased, check the upper left side of the bar code on the package.
- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack):
  US/Canadian/E92 model:
  120 V, 60 Hz
  AEP/E13/East European/French model:
  220 - 230 V, 50/60 Hz
  UK model: 230 - 240 V, 50 Hz
  Australian model: 240V, 50 Hz
  Argentine model: 220 V, 50 Hz

Battery life* (approx. hours)
(When you use the CD player on a flat and stable surface.)
Playing time varies depending on how the CD player is used.
Figures in brackets show the playing time of MP3 files.

When using	G-PROTECTION function "1"	"2"
Two Sony alkaline batteries LR6(SG) (produced in Japan)	32 [24]	30 [24]

* Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association).

Operating temperature
5°C - 35°C (41°F - 95°F)

Dimensions (w/h/d) (excluding projecting parts and controls)
Approx. 161.0 × 26.3 × 130.3 mm
(6 3/8 × 1 1/16 × 5 1/4 in.)

Mass (excluding accessories)
Approx. 210 g (7.5 oz.)

Supplied accessories

For the area code of the location in which you purchased the CD player, check the upper left side of the bar code on the package.

CJ500:
Headphones (1)

CJ501:
AC power adaptor (1)
Headphones/earphones (1)

CJ506CK:
AC power adaptor (1)
Headphones (1)
Car battery cord (1)
Car connecting pack (1)
Velcro tape (2)

Design and specifications are subject to change without notice.

- Abbreviation
  E13 : 220-230V AC area in E model.
  E92 : Chilean and Peruvian model.

PORTABLE CD PLAYER

9-873-669-02
2002E1600-1
© 2002.05

Sony Corporation
Personal Audio Company
Published by Sony Engineering Corporation

SONY®

TABLE OF CONTENTS

1. SERVICING NOTE ····· 3

2. GENERAL ····· 4

3. DISASSEMBLY ····· 5
- 3-1. Battery Case Lid, Cabinet (Upper) Assy ····· 5
- 3-2. Upper Lid Assy ····· 6
- 3-3. MAIN Board, MD Assy (CDM-3125ER) ····· 6
- 3-4. Turn Table Motor Assy (M901) ····· 7
- 3-5. Motor Assy (Sled) (M902), Optical Pick-up (DAX-25E) ····· 7

4. ELECTRICAL ADJUSTMENTS ····· 8

5. DIAGRAMS ····· 9
- 5-1. Block Diagram ····· 10
- 5-2. Printed Wiring Board – MAIN Board (Side A) – ····· 12
- 5-3. Printed Wiring Board – MAIN Board (Side B) – ····· 13
- 5-4. Schematic Diagram – MAIN Board (1/4) – ····· 14
- 5-5. Schematic Diagram – MAIN Board (2/4) – ····· 15
- 5-6. Schematic Diagram – MAIN Board (3/4) – ····· 16
- 5-7. Schematic Diagram – MAIN Board (4/4) – ····· 17
- 5-8. IC Pin Function Descriptions ····· 19

6. EXPLODED VIEWS ····· 26
- 6-1. Cabinet (Front) Section ····· 26
- 6-2. Cabinet (Lower) Section ····· 27
- 6-3. Optical Pick-up Section (CDM-3125ER) ····· 28

7. ELECTRICAL PARTS LIST ····· 29

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

On AC poweradaptor

- Use only the AC power adaptor supplied or recommended in “Accessories (supplied/optional).” Do not use any other AC power adaptor. It may cause a malfunction.

Polarity of the plug

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTE

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

BEFORE REPLACING THE OPTICAL PICK-UP BLOCK

Please be sure to check thoroughly the parameters as par the "Optical Pick-Up Block Checking Procedures" (Part No.: 9-960-027-11) issued separately before replacing the optical pick-up block.
Note and specifications required to check are given below.

- FOK output: IC601 ⑮ pin
  When checking FOK, remove the lead wire to disc motor.
- RF signal P-to-P value: 0.35 to 0.75 Vp-p

LASER DIODE CHECK

During normal operation of the equipment, emission of the laser diode is prohibited unless the upper lid is closed while turning ON the S801. (push switch type)
The following checking method for the laser diode is operable.

- **Method:**
  Emission of the laser diode is visually checked.

1. Open the upper lid.
2. Push the S801 as shown in Fig. 1.
3. Check the object lens for confirming normal emission of the laser diode. If not emitting, there is a trouble in the automatic power control circuit or the optical pick-up. During normal operation, the laser diode is turned ON about 2.5 seconds for focus searching.

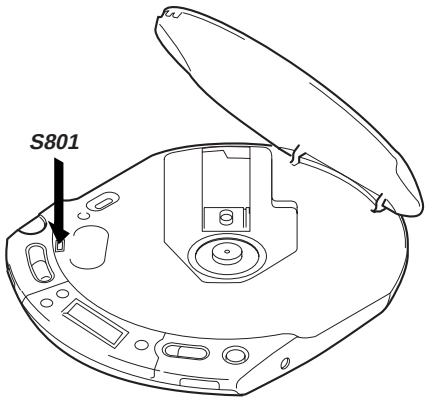
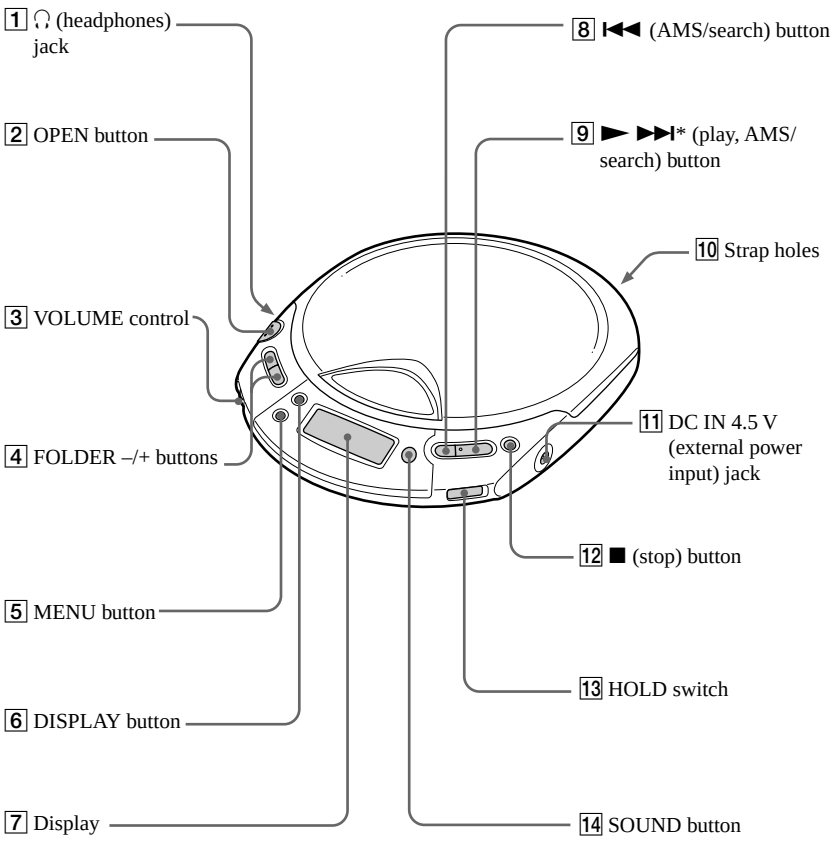


Fig. 1 Method to push the S801

SECTION 2
GENERAL

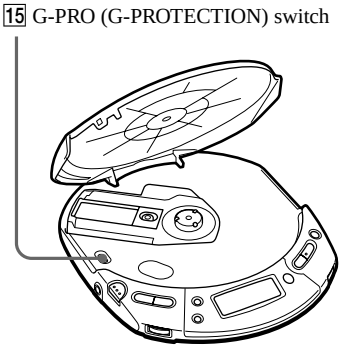
This section is extracted from instruction manual.

CD player (front)

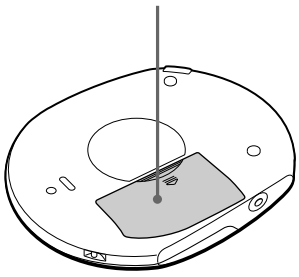


*The button has a tactile dot.

CD player (inside)

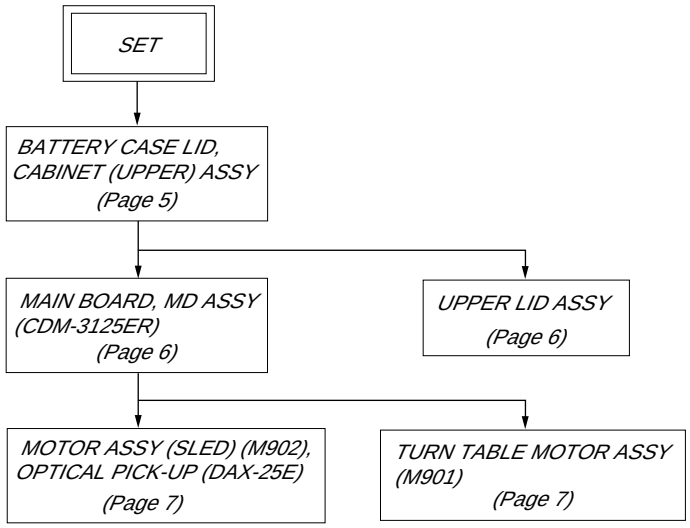


CD player (rear)



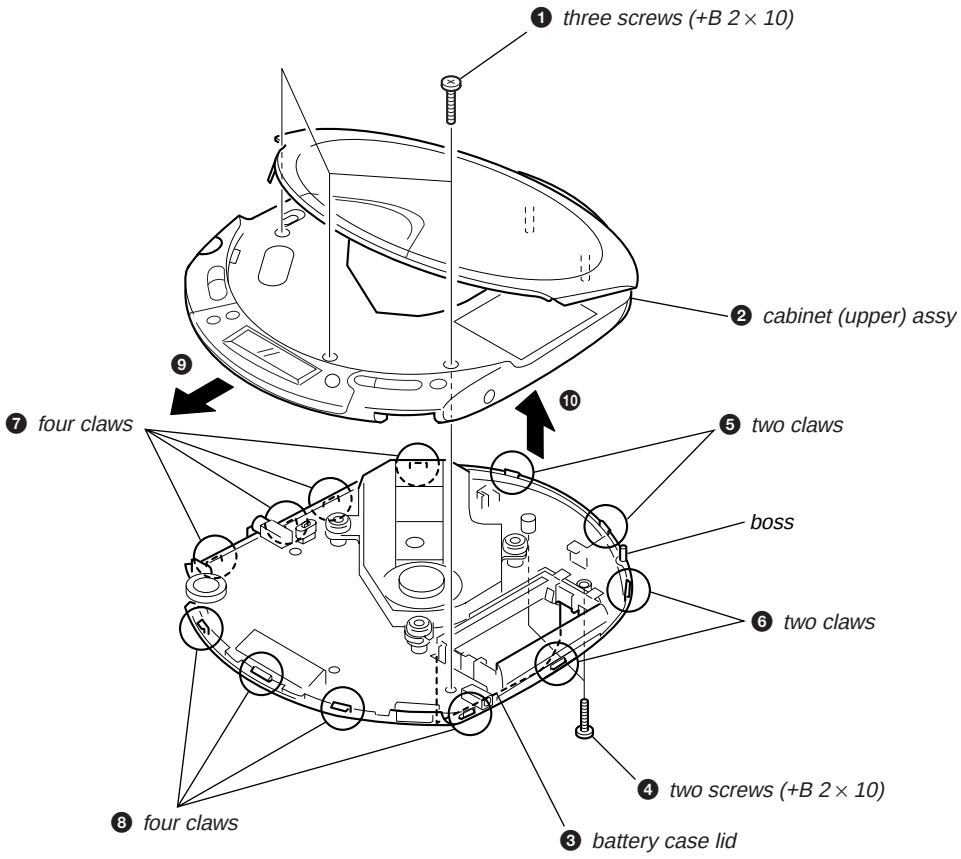
SECTION 3
DISASSEMBLY

Note : This set can be disassembled in the order shown below.

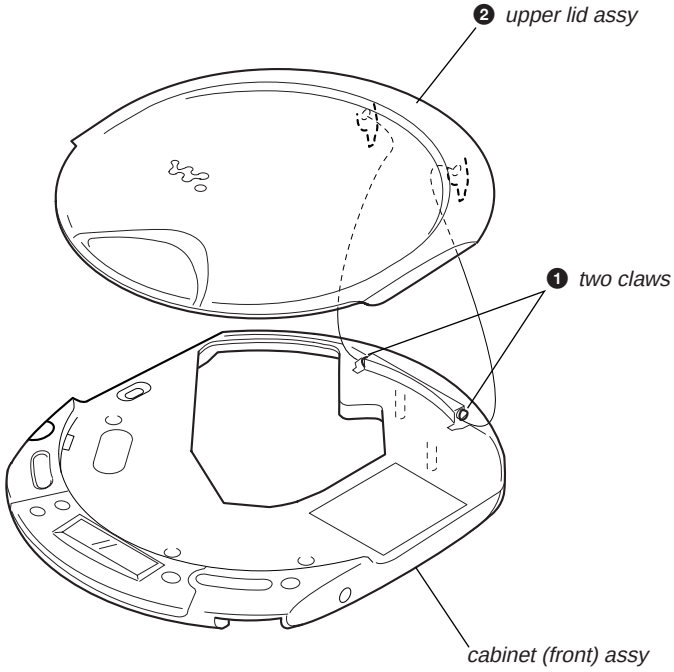

SET
BATTERY CASE LID, CABINET (UPPER) ASSY (Page 5)
MAIN BOARD, MD ASSY (CDM-3125ER) (Page 6)
UPPER LID ASSY (Page 6)
MOTOR ASSY (SLED) (M902), OPTICAL PICK-UP (DAX-25E) (Page 7)
TURN TABLE MOTOR ASSY (M901) (Page 7)

Note : Follow the disassembly procedure in the numerical order given.

3-1. Battery Case Lid, Cabinet (Upper) Assy

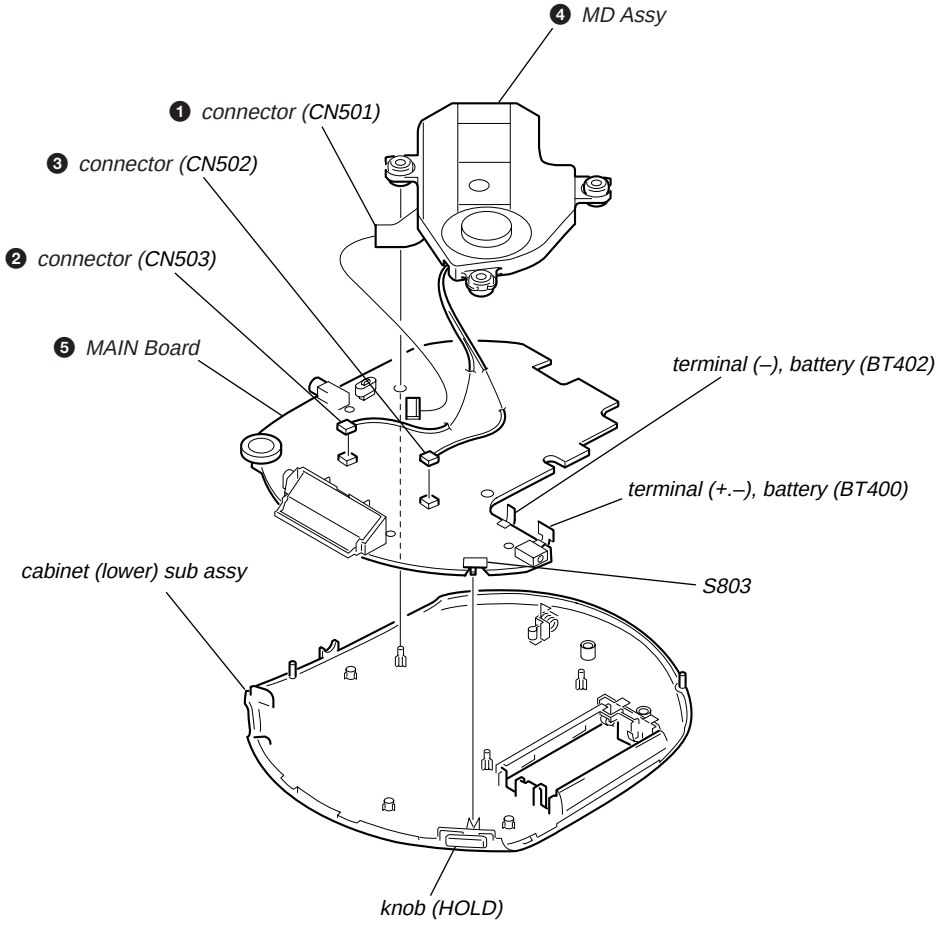


3-2. Upper Lid Assy

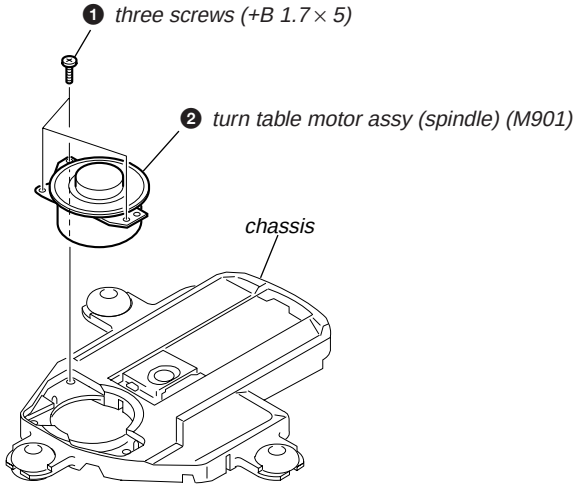


3-3. MAIN Board, MD Assy (CDM-3125ER)

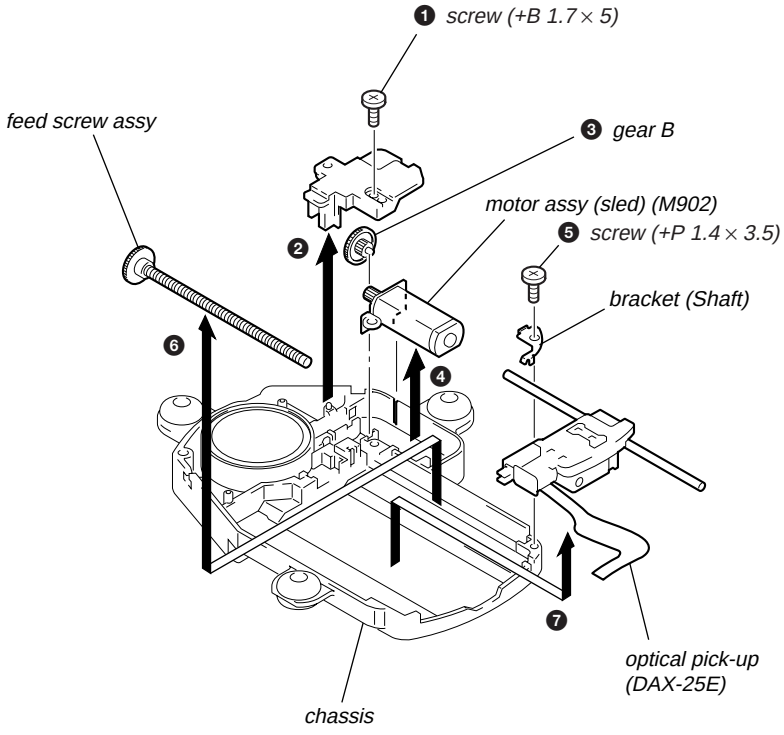
Note : When installing, fit S803 to the knob (HOLD).



3-4. Turn Table Motor Assy (M901)



3-5. Motor Assy (Sled) (M902), Optical Pick-up (DAX-25E)



SECTION 4
ELECTRICAL ADJUSTMENTS

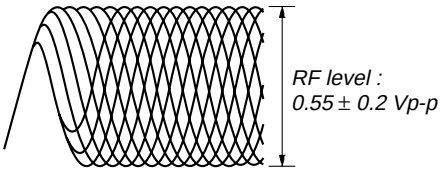
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

FOCUS BIAS CHECK

1. Connect the oscilloscope between TP603 (RF) and GND on main board.
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the [► ▶▶I] button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.

• RF signal reference waveform (eye pattern)

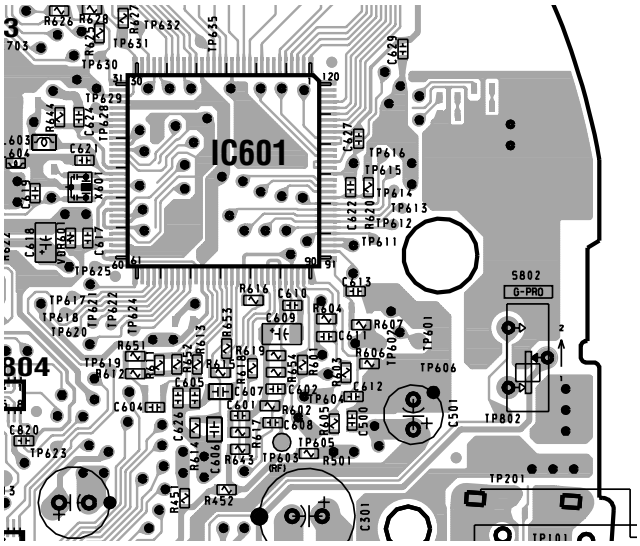
VOLT/DIV : 200 mV
TIME/DIV : 500 ns



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Test Point:

– MAIN Board (Side B) –



SECTION 5
DIAGRAMS

Note For Printed Wiring Boards And Schematic Diagrams

Note on Printed Wiring Board
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

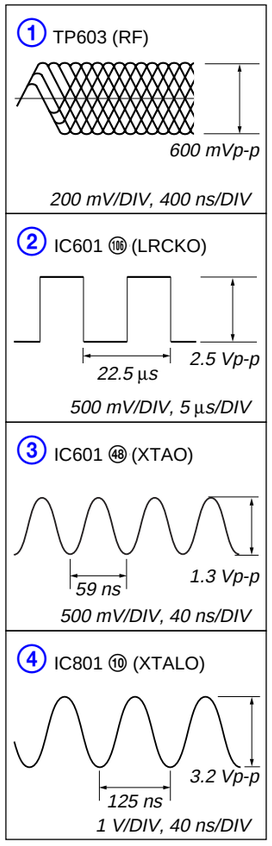
Caution:	
Pattern face side: (Side A)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side B)	Parts on the parts face side seen from the parts face are indicated.

Note on Schematic Diagram:
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- ▭ : panel designation.

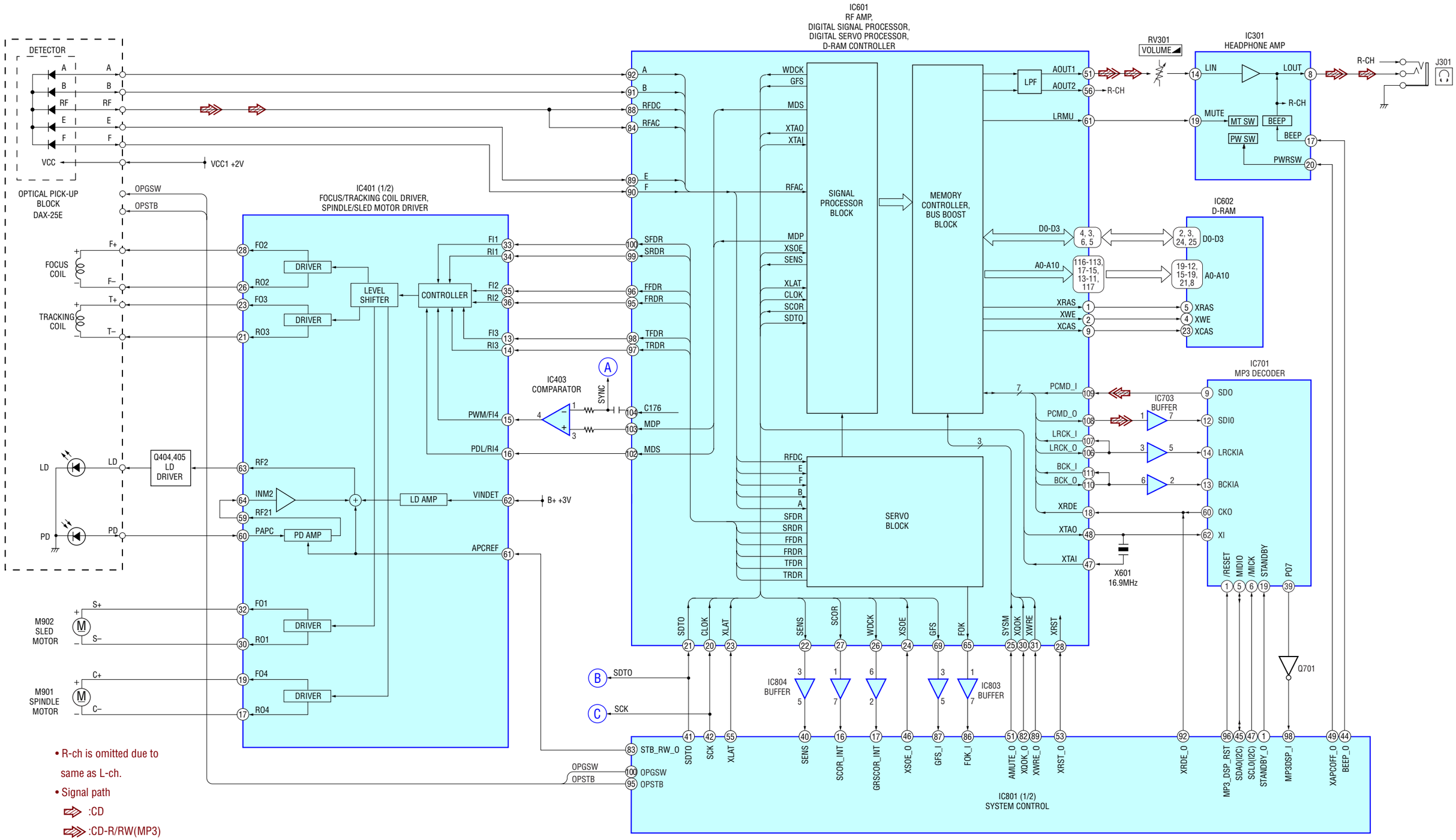
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- ▬ : B+ Line.
- Total current is measured with CD installed.
- Power voltage is dc 4.5 V and fed with regulated dc power supply from DC IN jack (J401).
- Voltages and waveforms are dc with respect to ground in playback mode.
  no mark : CD PLAY
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD
  ⇨ : CD-R/RW (MP3)
- Abbreviation
  FR : French model.

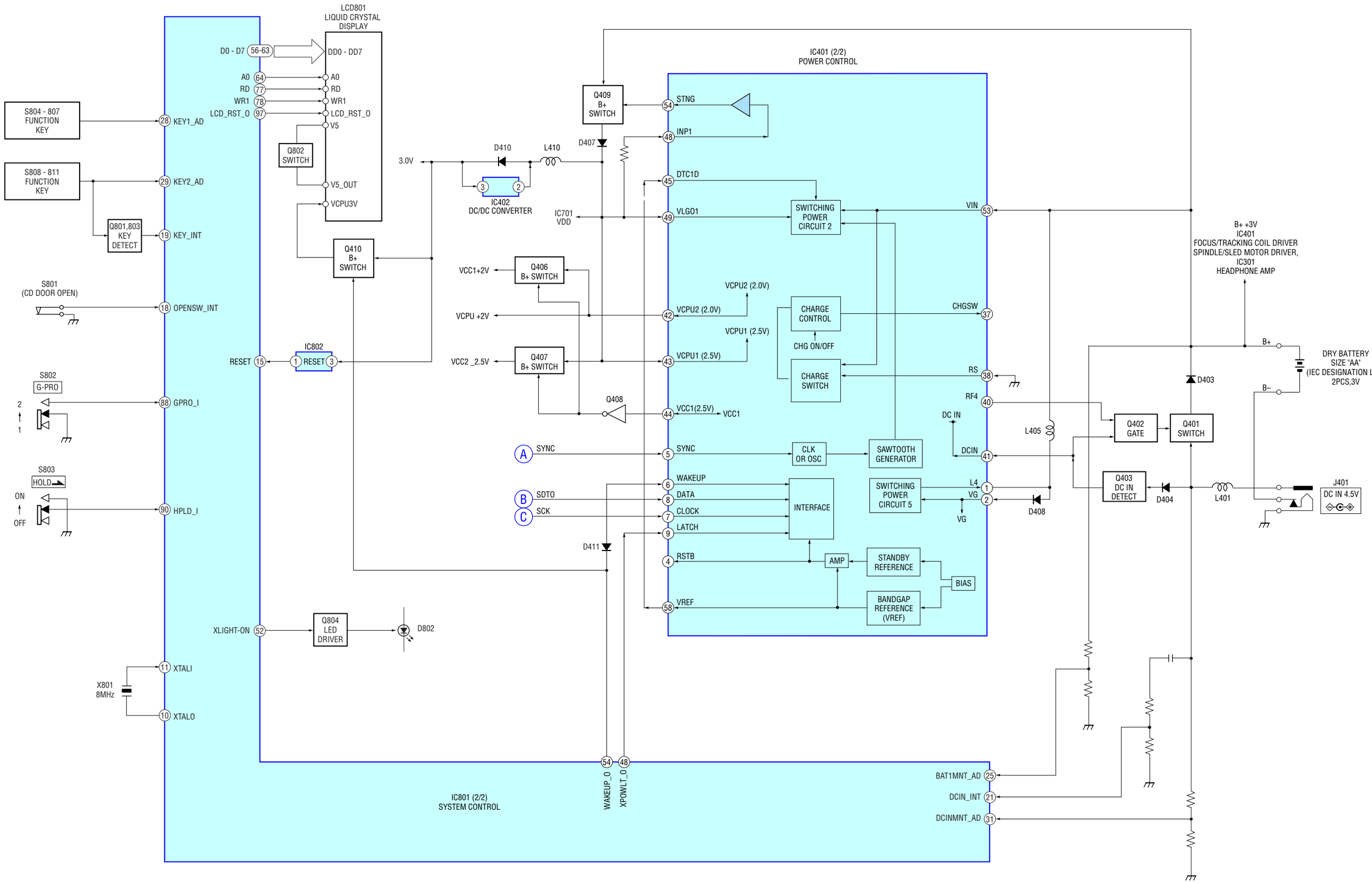
• Waveforms
(CD play mode)



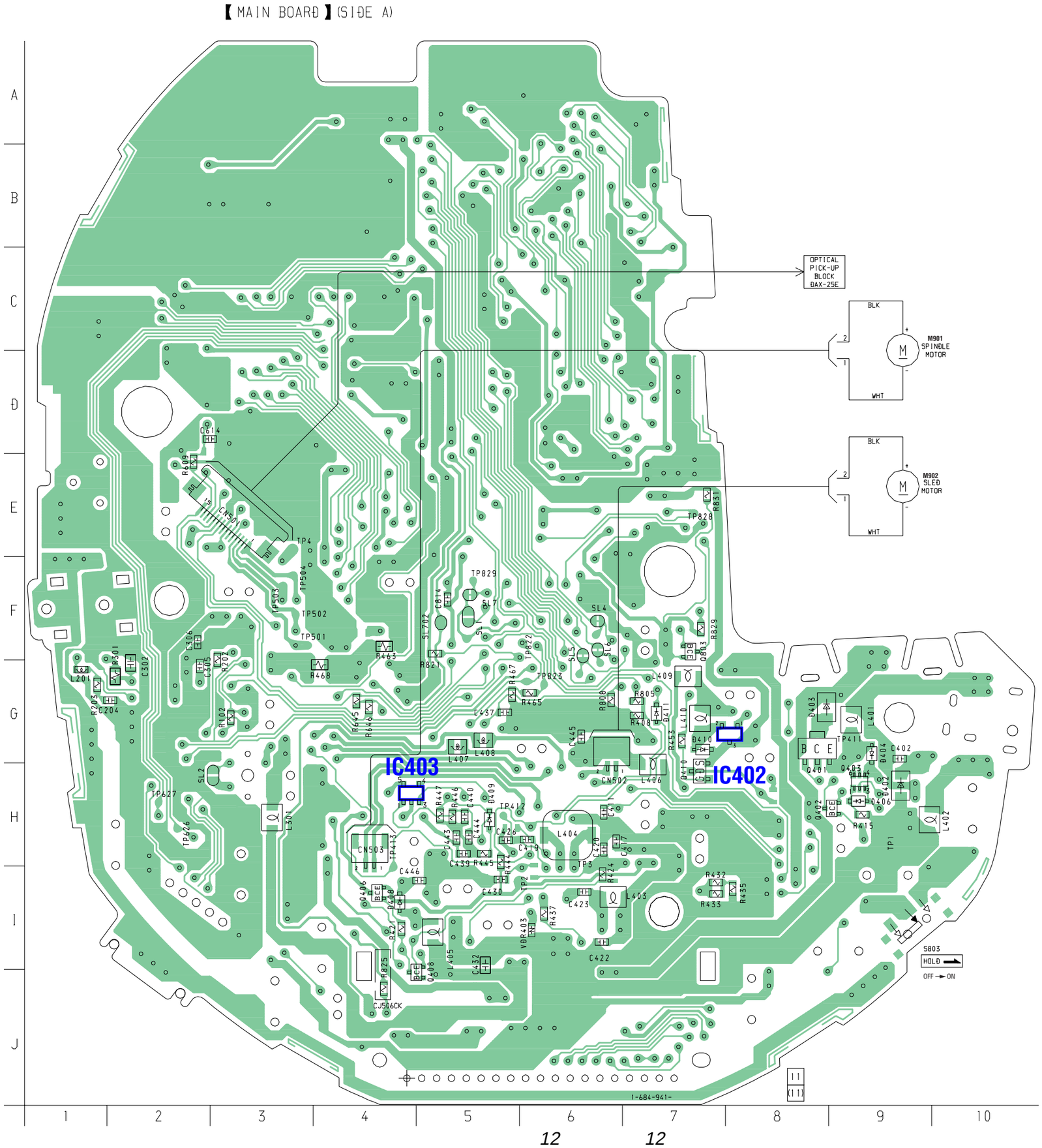
5-1. Block Diagram – MAIN-1 Section –



– MAIN-2 Section –



5-2. Printed Wiring Board – MAIN Board (Side A) –

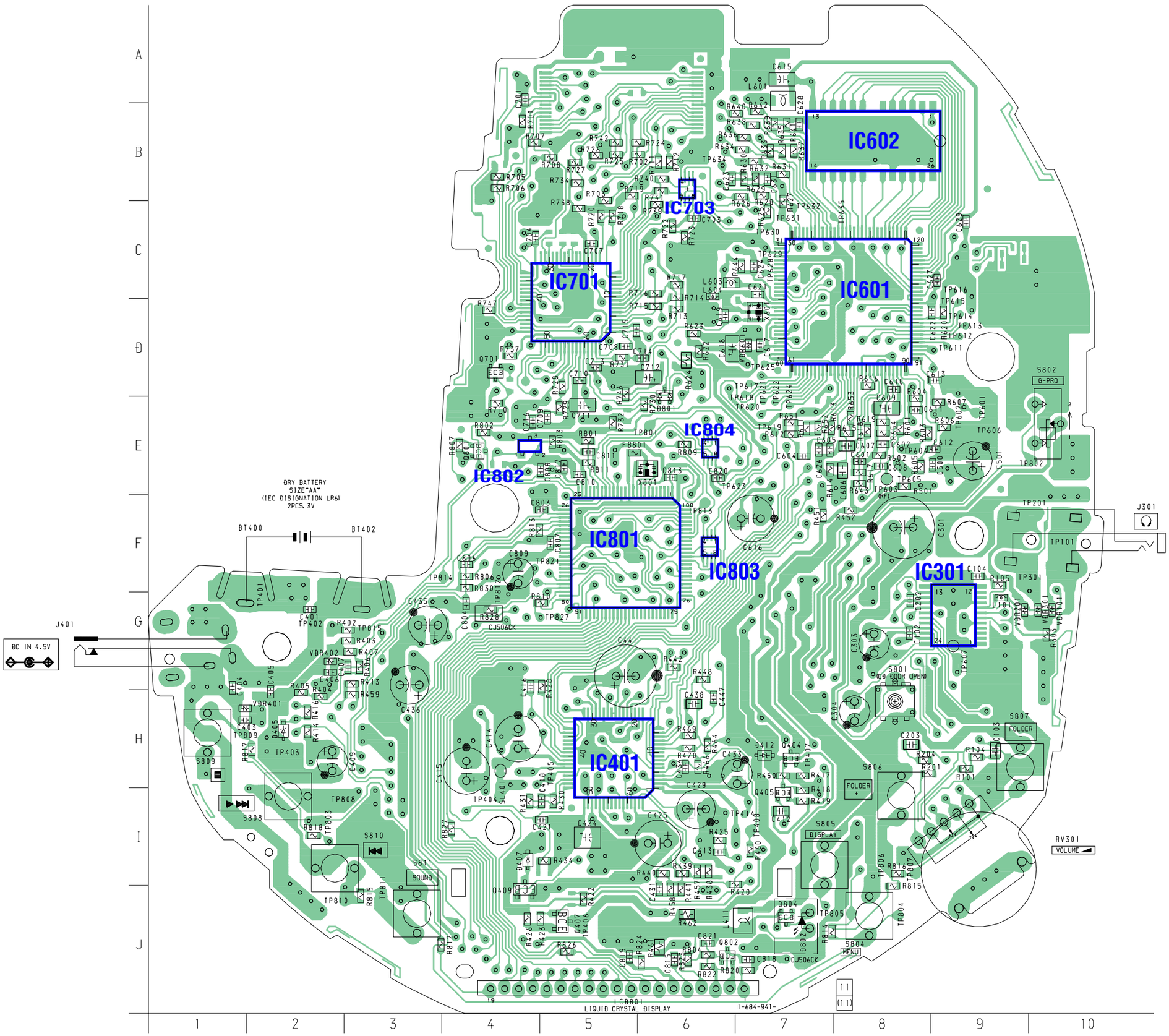


• **Semiconductor Location**

Ref. No.	Location
D402	G-9
D403	G-8
D404	G-9
D406	G-9
D408	I-4
D409	H-5
D410	G-7
D411	G-7
IC402	G-7
IC403	H-4
Q401	G-8
Q402	H-8
Q403	G-9
Q406	I-4
Q408	I-4
Q410	G-7
Q803	F-7

5-3. Printed Wiring Board – MAIN Board (Side B) –

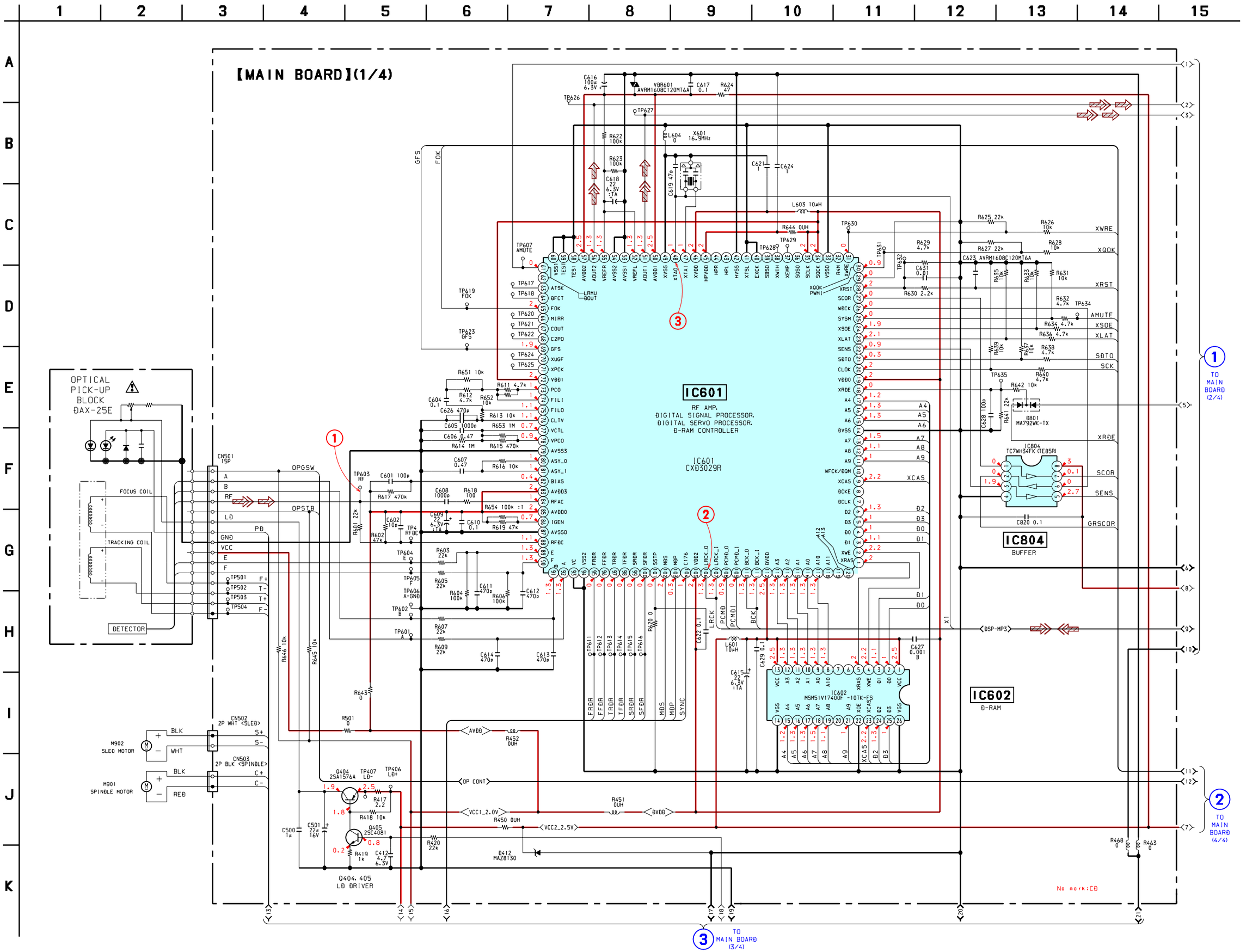
【MAIN BOARD】 (SIDE B)



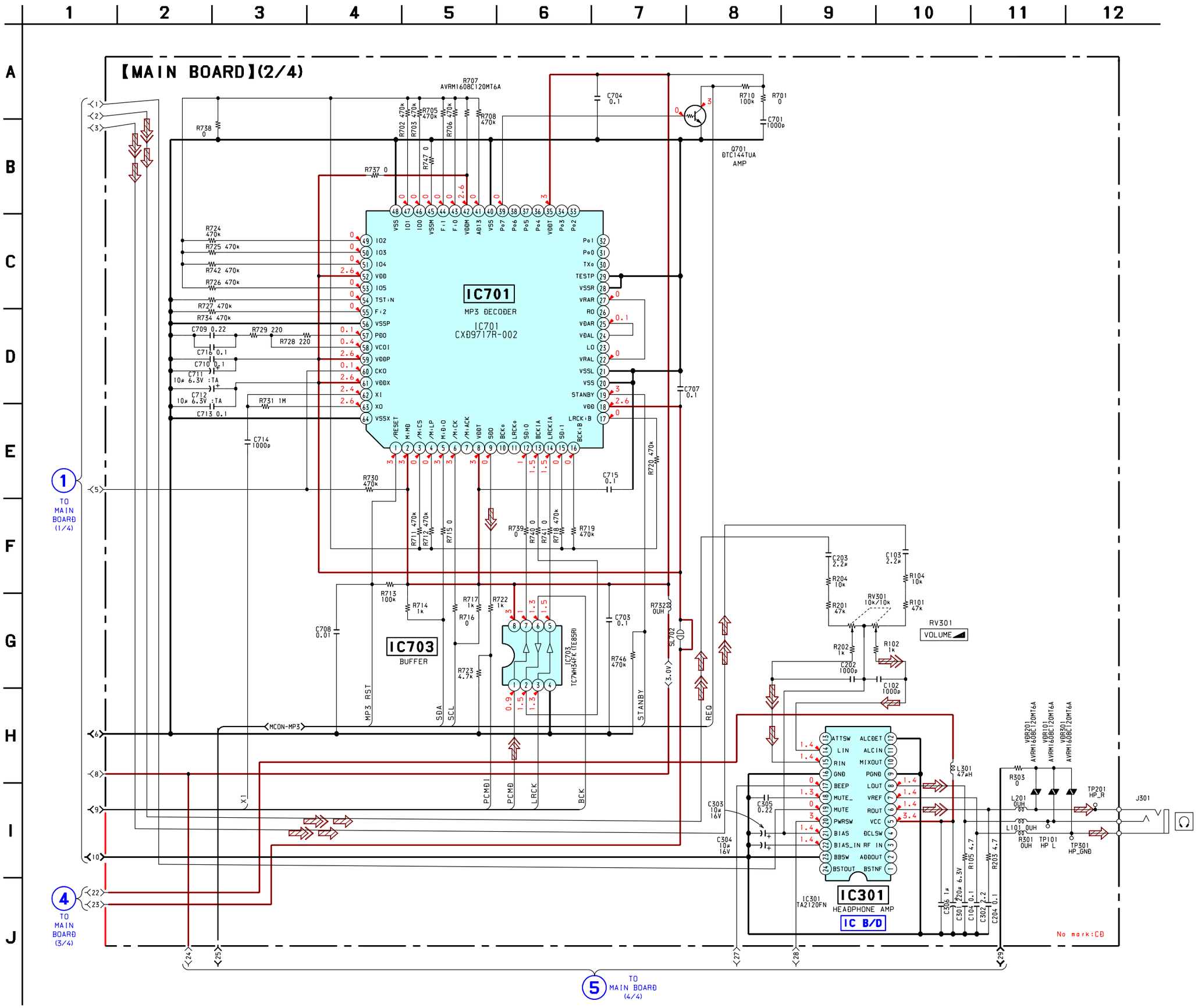
- **Semiconductor Location**

Ref. No.	Location
D405	H-2
D407	I-4
D412	H-7
D801	D-6
D802	J-7
IC301	F-9
IC401	H-5
IC601	C-8
IC602	B-8
IC701	C-5
IC703	B-6
IC801	F-5
IC802	E-4
IC803	F-6
IC804	E-6
Q404	H-7
Q405	H-7
Q407	J-5
Q409	I-4
Q701	D-4
Q801	E-4
Q802	J-6
Q804	J-7

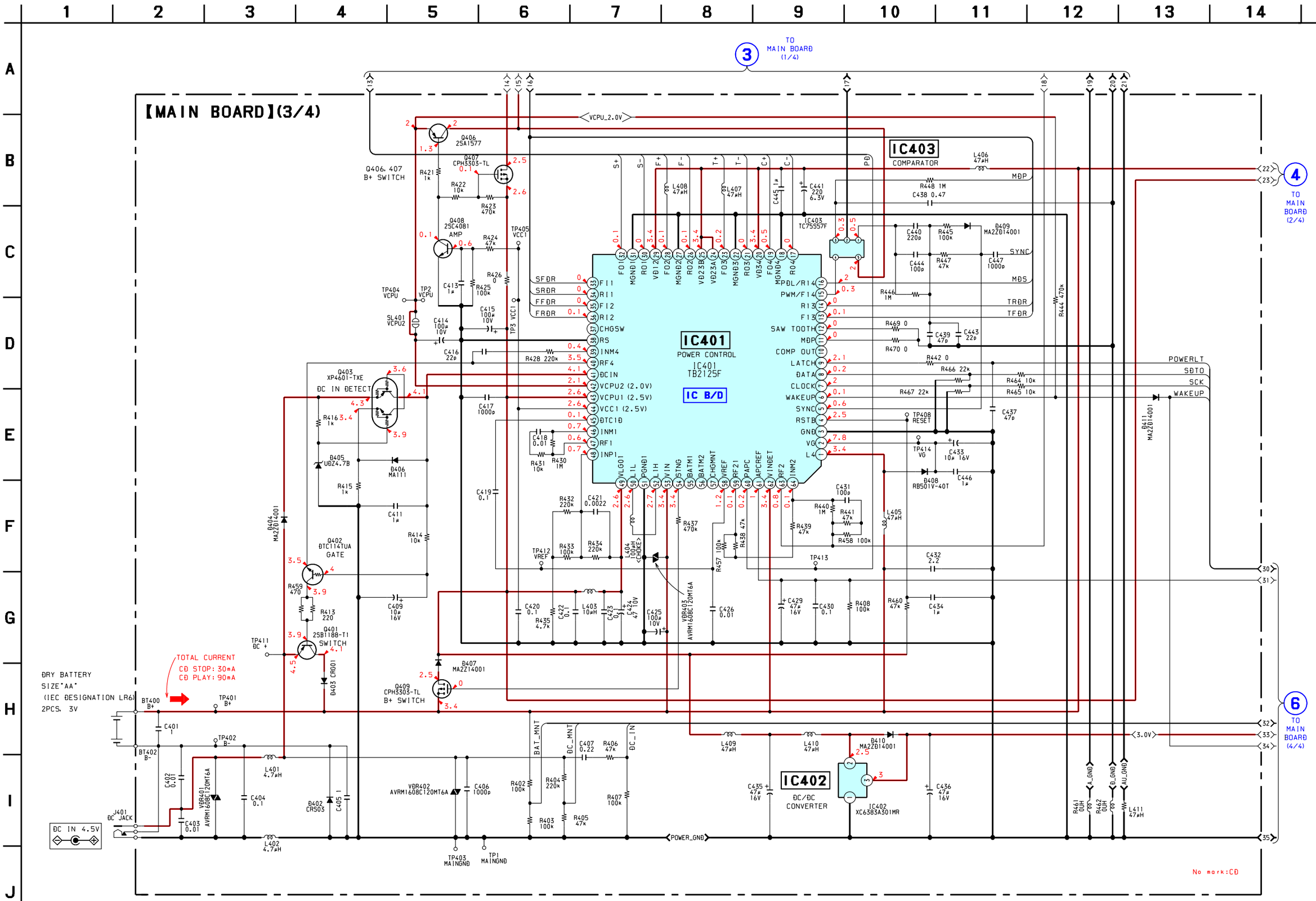
5-4. Schematic Diagram – MAIN Board (1/4) – •See page 19 for IC Pin Function Descriptions. •See page 9 for Waveforms.



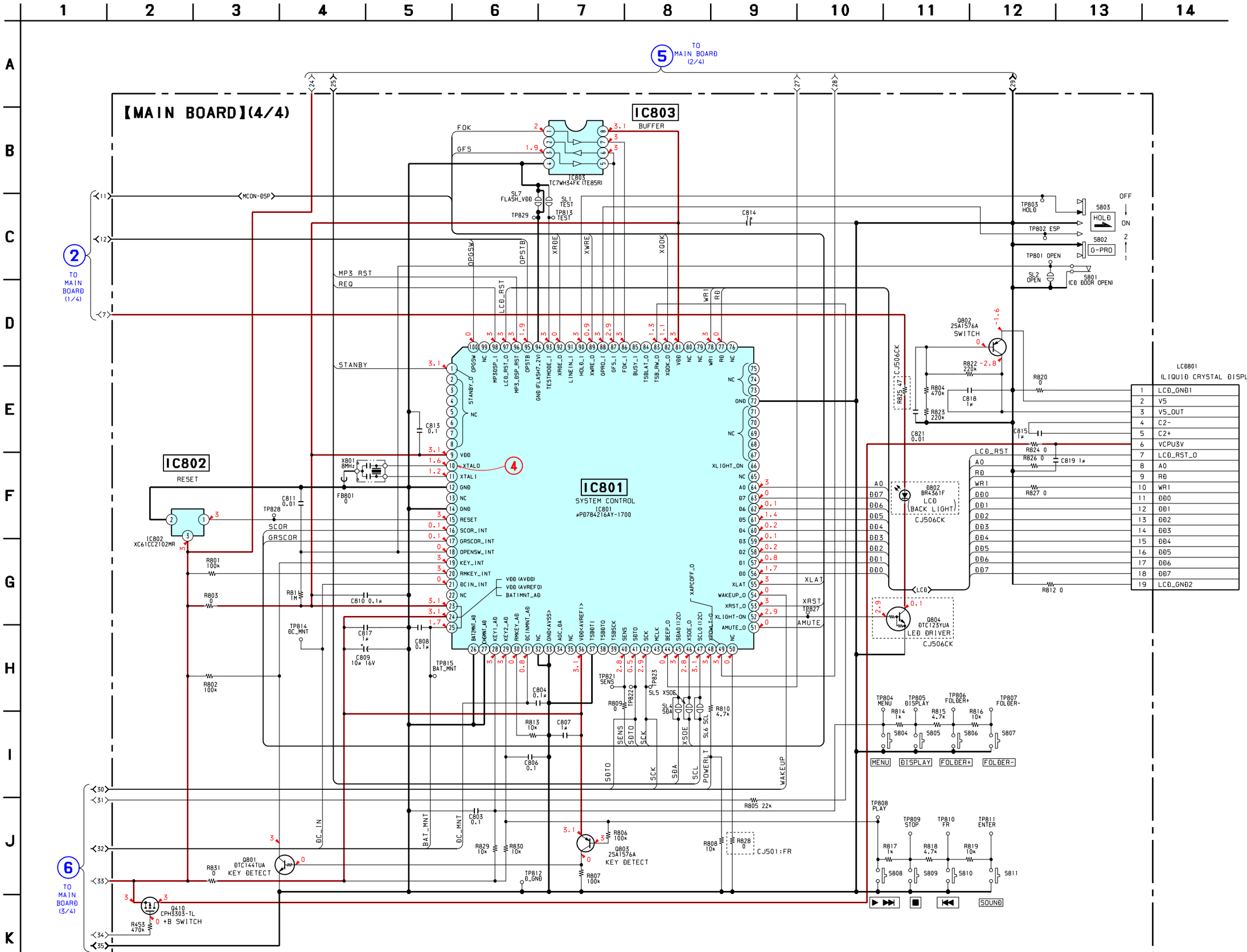
5-5. Schematic Diagram – MAIN Board (2/4) – •See page 18 for IC Block Diagrams. •See page 22 for IC Pin Function Descriptions.



5-6. Schematic Diagram – MAIN Board (3/4) – • See page 18 for IC Block Diagrams.

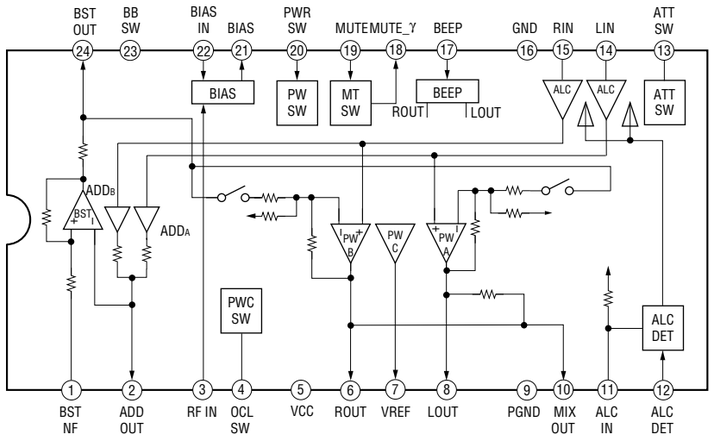


5-7. Schematic Diagram – MAIN Board (4/4) – • See page 24 for IC Pin Function Descriptions. • See page 9 for Wavefoms.

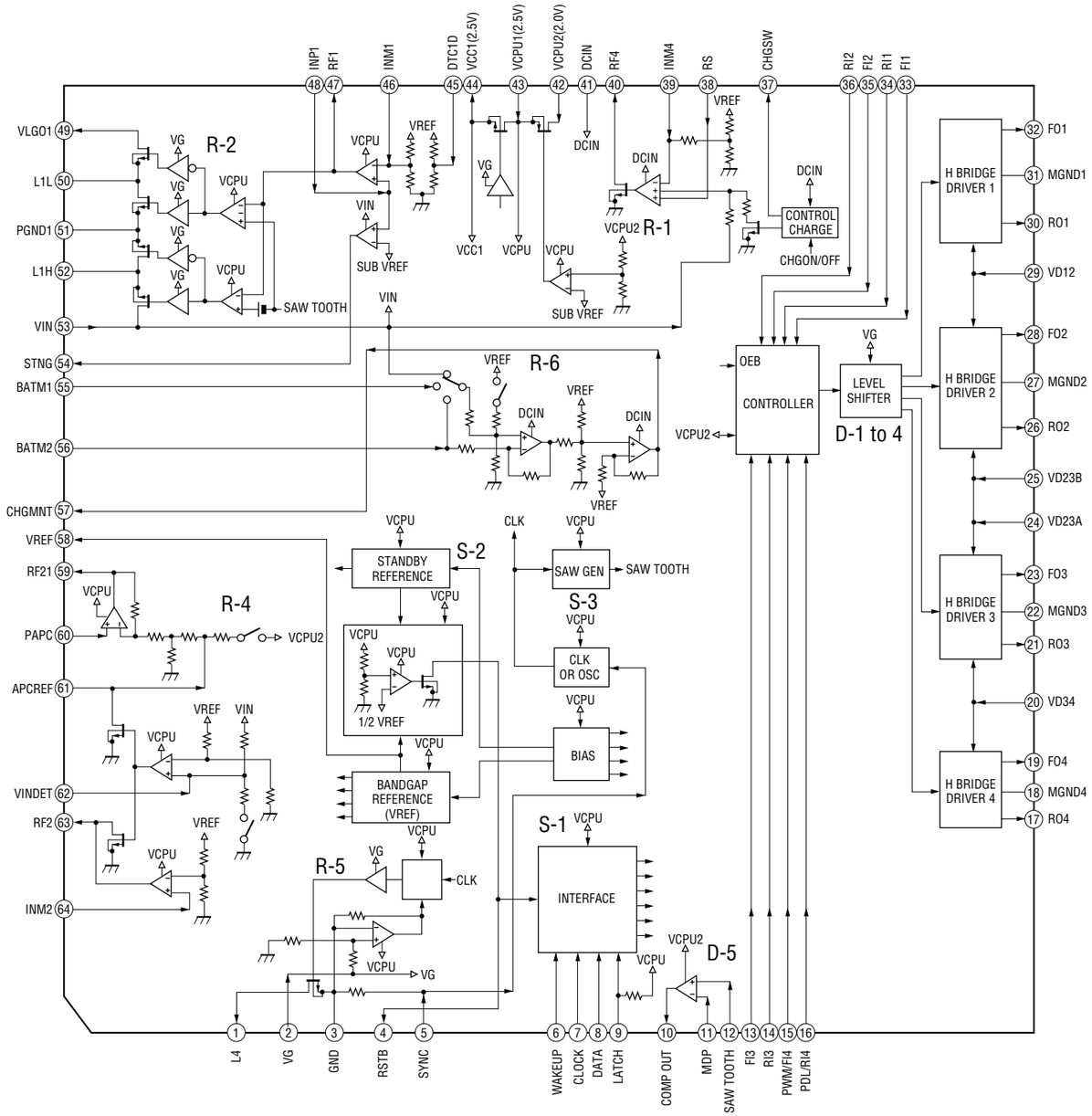


• IC Block Diagrams

IC301 TA2120FN



IC401 TB2125F



5-8. IC Pin Function Descriptions

• MAIN Board IC601 CXD3029R (RF Amp, Digital Signal Processor, Digital Servo Processor)

Pin No.	Pin Name	I/O	Description
1	XRAS	O	DRAM row address strobe signal output
2	XWE	O	DRAM data input enable signal output
3	D1	I/O	DRAM data bus 1
4	D0	I/O	DRAM data bus 0
5	D3	I/O	DRAM data bus 3
6	D2	I/O	DRAM data bus 2
7	DCLK	O	Test pin Not used (open)
8	DCKE	O	Test pin Not used (open)
9	XCAS	O	DRAM column address strobe signal output
10	WFCK/DQM	O	WFCK signal output Not used (open)
11 to 13	A9 to A7	O	DRAM address bus 9 to 7
14	DVSS	—	Ground (DRAM interface)
15 to 17	A6 to A4	O	DRAM address bus 6 to 4
18	XRDE	I/O	DRAM readout enable signal input
19	VDD0	—	Power supply (digital)
20	CLOK	I	Serial data transfer clock input from CPU
21	SDTO	I	Serial data input from CPU
22	SENS	O	SENS signal output to CPU
23	XLAT	I	Latch signal input from CPU
24	XSOE	I	CPU serial data output enable signal input
25	SYSM	I	Mute signal input (“ H “: mute)
26	WDCK	O	Word clock output (f=2Fs)
27	SCOR	O	Output a high signal when either subcode sync S0 or S1 is detected
28	XRST	I	System reset (“ L “ : reset)
29	PWMI	I	Spindle motor external control input Not used
30	XQOK	I/O	Subcode-Q OK signal input
31	XWRE	I/O	DRAM write enable signal input
32	R4M	O	Clock output for Microcomputer (open)
33	VSS0	—	Ground (digital)
34	SQCK	I	SQSO readout clock input (fixed at “H”)
35	SCLK	I	SENS serial data readout clock input (fixed at “H”)
36	SQSO	O	Subcode-Q 80-bit or PCM peak and level data output Not used (open)
37	XEMP	O	DRAM readout prohibited signal output Not used (open)
38	XWIH	O	DRAM write prohibited signal output Not used (open)
39	SBSO	O	Subcode P to W signal output Not used (open)
40	EXCK	I	SBSO readout clock input Not used (connected to ground)
41	XTSL	I	Crystal selection input (“L” : 16.9344MHz, “H” : 33.8688MHz) fixed at “L”
42	HVSS	—	Ground (headphone)
43	HPL	O	PDM output for L-Ch headphone (open)
44	HPR	O	PDM output for R-Ch headphone (open)
45	HVDD	—	Power supply (headphone)
46	XVDD	—	Power supply (master clock)
47	XTAI	I	Crystal oscillation circuit input
48	XTAO	O	Crystal oscillation circuit output
49	XVSS	—	Ground (master clock)
50	AVDD1	—	Power supply (analog)
51	AOUT1	O	L-Ch analog output
52	VREFL	O	L-Ch reference voltage output
53	AVSS1	—	Ground (analog)
54	AVSS2	—	Ground (analog)

Pin No.	Pin Name	I/O	Description
55	VREFR	O	R-Ch reference voltage output
56	AOUT2	O	R-Ch analog output
57	AVDD2	—	Power supply (analog)
58	TES1	I	Test pin (Normally connected to ground)
59	TEST	I	Test pin (Normally connected to ground)
60	VSS1	—	Ground (digital)
61	LRMU	O	L-Ch,R-Ch “0” detection flag (AND output)
62	DOUT	O	Digital Out output terminal (open)
63	ATSK	I/O	Anti-shock I/O Not used (open)
64	DFCT	I/O	Defect signal I/O Not used (open)
65	FOK	I/O	Focus OK signal I/O
66	MIRR	I/O	Mirror signal I/O Not used (open)
67	COUT	I/O	Track count signal I/O Not used (open)
68	C2PO	O	C2PO signal output Not used (open)
69	GFS	O	GFS signal output
70	XUGF	O	XUGF signal output Not used (open)
71	XPCK	O	XPCK signal output Not used (open)
72	VDD1	—	Power supply (digital)
73	PCO	O	Master PLL charge pump output
74	FILI	I	Master PLL filter input
75	FILO	O	Master PLL filter output (slave = digital PLL)
76	CLTV	I	Multiplier VCO1 control voltage input
77	VCTL	I	Wide-band EFM PLL VCO2 control voltage input
78	VPCO	O	Wide-band EFM PLL charge pump output
79	AVSS3	—	Ground (analog)
80	ASYO	O	EFM full-swing output (“L” = VSS, “H” = VDD)
81	ASYI	O	Asymmetry comparator voltage output
82	BIAS	I	Asymmetry circuit constant current input
83	AVDD3	—	Power supply (analog)
84	RFAC	I	EFM signal input
85	AVDD0	—	Power supply (analog)
86	IGEN	I	Operational amplifier constant current input
87	AVSS0	—	Ground (analog)
88	RFDC	I	RF signal input
89	E	I	E signal input
90	F	I	F signal input
91	B	I	B signal input
92	A	I	A signal input
93	VC	I	Center voltage input
94	VSS2	—	Ground (digital)
95	FRDR	O	Focus drive output
96	FFDR	O	Focus drive output
97	TRDR	O	Tracking drive output
98	TFDR	O	Tracking drive output
99	SRDR	O	Sled drive output
100	SFDR	O	Sled drive output
101	SSTP	I	Disc innermost track detection signal input (connected to ground)
102	MDS	O	Spindle drive output
103	MDP	O	Spindle motor drive servo control signal output
104	C176	O	176.4kHz output
105	VDD2	—	Power supply (digital)
106	LRCK_O	O	D/A interface LR clock output (f=Fs)

Pin No.	Pin Name	I/O	Description
107	LRCK_I	I	D/A interface LR clock input
108	PCMD_O	O	D/A interface Serial data output
109	PCMD_I	I	D/A interface Serial data input
110	BCK_O	O	D/A interface Bit clock output
111	BCK_I	I	D/A interface Bit clock input
112	DVDD	—	Power supply (DRAM interface)
113 to 116	A3 to A0	O	DRAM address bus 3 to 0
117	A10	O	DRAM address bus 10
118	A11	O	DRAM address bus 11 Not used (open)
119 to 120	A12,A13	O	Test pin Not used (open)

• MAIN Board IC701 CXD9717R-002 (MP3 Decoder)

Pin No.	Pin Name	I/O	Description
1	/RESET	I	Reset input terminal “L”: reset
2	MIMD	I	Microcomputer interface mode selection input “H”: I2C, “L”: TSB
3	/MICS	I	Microcomputer interface chip select signal input (fixed at “L”)
4	/MILP	I	Microcomputer interface latch pulse input (fixed at “L”)
5	MIDIO	I/O	Microcomputer interface serial data input/output (SDA in I2C mode)
6	/MICK	I	Microcomputer interface serial clock input (SCL in I2C mode)
7	MIACK	O	Microcomputer interface acknowledge signal output (open)
8	VDDT	—	Power supply (3.3V) for digital circuit
9	SDO	O	Data output
10	BCKO	O	Bit clock output (open)
11	LRCKO	O	LR clock output (open)
12	SDI0	I	Data input 0
13	BCKIA	I	Bit clock input A
14	LRCKIA	I	LR clock input A
15	SDI1	I	Data input 1 (fixed at “L”)
16	BCKIB	I	Bit clock input B (fixed at “L”)
17	LRCKIB	I	LR clock input B (fixed at “L”)
18	VDD	—	Power supply (2.5V) for digital circuit
19	STANDBY	I	Standby mode control signal input “H”: STB, “L”: normal
20	VSS	—	Ground for digital circuit
21	VSSL	—	Ground for DAC Lch
22	VRAL	—	Reference voltage terminal for DAC Lch
23	LO	O	DAC Lch signal output (open)
24	VDAL	—	Power supply (2.5V) for DAC Lch
25	VDAR	—	Power supply (2.5V) for DAC Rch
26	RO	O	DAC Rch signal output (open)
27	VRAR	—	Reference voltage terminal for DAC Rch
28	VSSR	—	Ground for DAC Rch
29	TESTP	I	Terminal for test “H”: test mode, “L”: normal (fixed at “L”)
30	TX0	O	SPDIF signal output (open)
31 to 34	PO0 to PO3	O	Genaeral purpose output 0 to 3 (open)
35	VDDT	—	Power supply (3.3V) for digital circuit
36 to 38	PO4 to PO6	O	Genaeral purpose output 4 to 6 (open)
39	PO7	O	Genaeral purpose output 7 Interrupt request signal output to the system control (IC801)
40	VSS	—	Ground for digital circuit
41	AD13	I/O	External interrupt signal input (fixed at “L”)
42	VDDM	—	Power supply (2.5V) for internal 1Mbit SRAM
43 to 44	FI0 to FI1	I	Flag signal input 0 to 1
45	VSSM	—	Ground for internal 1Mbit SRAM
46, 47	IO0,IO1	I/O	External DRAM data input/output (fixed at “L”)
48	VSS	—	Ground for digital circuit
49 to 51	IO2 to IO4	I/O	External DRAM data input/output (fixed at “L”)
52	VDD	—	Power supply (2.5V) for digital circuit
53	IO5	I/O	External DRAM data input/output (fixed at “L”)
54	TSTIN	I	Test terminal (fixed at “L”)
55	FI2	I	Flag signal input 2 (fixed at “L”)
56	VSSP	—	Ground for VCO circuit
57	PDO	O	PLL phase error detection signal output
58	VCOI	I	VCO control voltage input
59	VDDP	—	Power supply for VCO circuit (2.5V)

Pin No.	Pin Name	I/O	Description
60	CKO	I/O	Audio clock output
61	VDDX	—	Power supply (2.5V) for oscillation circuit
62	XI	I	Resonator terminal
63	XO	O	Resonator terminal
64	VSSX	—	Ground for oscillation circuit

• MAIN Board IC801 µPD784216AY-1700 (System Control)

Pin No.	Pin Name	I/O	Description
1	STANDBY_O	O	Standby signal output to the MP3 decoder (IC701)
2 to 8	NC	—	Not used (open)
9	VDD	—	Power supply
10	XTALO	O	System clock output (8MHz)
11	XTALI	I	System clock input (8MHz)
12	GND	—	Ground
13	NC	—	Not used (open)
14	GND	—	Ground
15	RESET	I	Reset signal input
16	SCOR_INT	I	Sub code signal input
17	GRSCOR_INT	I	GR SCOR signal input
18	OPENSW_INT	I	Open/close switch signal input
19	KEY_INT	I	Key input detection signal input
20	RMKEY_INT	I	Not used (fixed at “H”)
21	DCIN_INT	I	AC adaptor detection signal input
22	NC	—	Not used (open)
23	VDD(AVDD)	—	Power supply
24	VDD(AVREF0)	—	Power supply
25	BAT1MNT_AD	I	Battery (3V) detection input terminal
26	BAT2MNT_AD	I	Battery (1.5V) detection input terminal Not used (fixed at “L”)
27	CHGMNT_AD	I	Not used (fixed at “L”)
28	KEY1_AD	I	Key input terminal
29	KEY2_AD	I	Key input terminal
30	RMKEY_AD	I	Not used (fixed at “L”)
31	DCINMNT_AD	I	AC adaptor voltage monitoring input terminal
32	NC	—	Not used (open)
33	GND(AVSS)	—	Ground
34	AGC_DA	O	AGC signal output (open)
35	NC	—	Not used (open)
36	VDD(AVREF1)	—	Power supply
37	TSBDTI	I	Not used (fixed at “L”)
38	TSBDTO	O	Not used (open)
39	TSBSCK	I	Not used (open)
40	SENS	I	SENS signal input
41	SDTO	O	Serial data input
42	SCK	O	Serial data transfer clock signal input
43	MCLK	O	Not used (open)
44	BEEP_O	O	Beep signal output
45	SDAO(I2C)	O	Serial data output to the MP3 DSP
46	XSOE_O	O	SOE signal output to the IC601
47	SCLO(I2C)	O	Serial clock signal output
48	BXPOWLT_O	O	Power suplly on/off signal output
49	XAPCOFF_O	O	Automatic power off signal output
50	NC	I	Not used (fixed at “L” in French model)
51	AMUTE_O	O	Audio muting signal output
52	XLIGHT-ON	O	Back light on/off signal output
53	XRST_O	O	Reset signal output to the IC601
54	WAKEUP_O	O	Wake up signal output
55	XLAT	O	Latch signal output to the IC601
56 to 63	D0 to D7	O	LCD drive signal output

Pin No.	Pin Name	I/O	Description
64	A0	O	LCD drive signal output
65	NC	—	Not used (open)
66	XLIGHT_ON	—	Not used (open)
67 to 71	NC	—	Not used (open)
72	GND	—	Ground
73 to 76	NC	—	Not used (open)
77	RD	O	RD signal output to the LCD unit
78	WR1	O	WR1 signal output to the LCD unit
79, 80	NC	—	Not used (open)
81	VDD	—	Power supply
82	XQOK_O	O	Q signal OK output to the IC601
83	TSB_RW_O	O	AGC PWM signal output
84	TSBLAT_O	O	Not used (open)
85	BUSY_I	I	Not used (open)
86	FOK_I	I	FOK signal input from the IC601
87	GFS_I	I	GFS signal input from the IC601
88	GPRO_I	I	G-protection switch signal input
89	XWRE_O	O	WRE signal output to the IC601
90	HOLD_I	I	Hold switch signal input
91	LINEIN_I	I	Not used (open)
92	XRDE_O	O	RDE signal output to the IC601
93	TESTMODE_I	I	Test mode setting terminal
94	GND	—	Ground
95	OPSTB	O	Standby signal output to the CD mechanism deck
96	MP3_DSP_RST	O	MP3 DSP reset signal output to the IC701
97	LCD_RST_O	O	Reset signal output to the LCD unit
98	MP3DSP_I	I	MP3 DSP status signal input
99	NC	—	Not used (open)
100	OPGSW	O	Optical pick-up gain control signal output

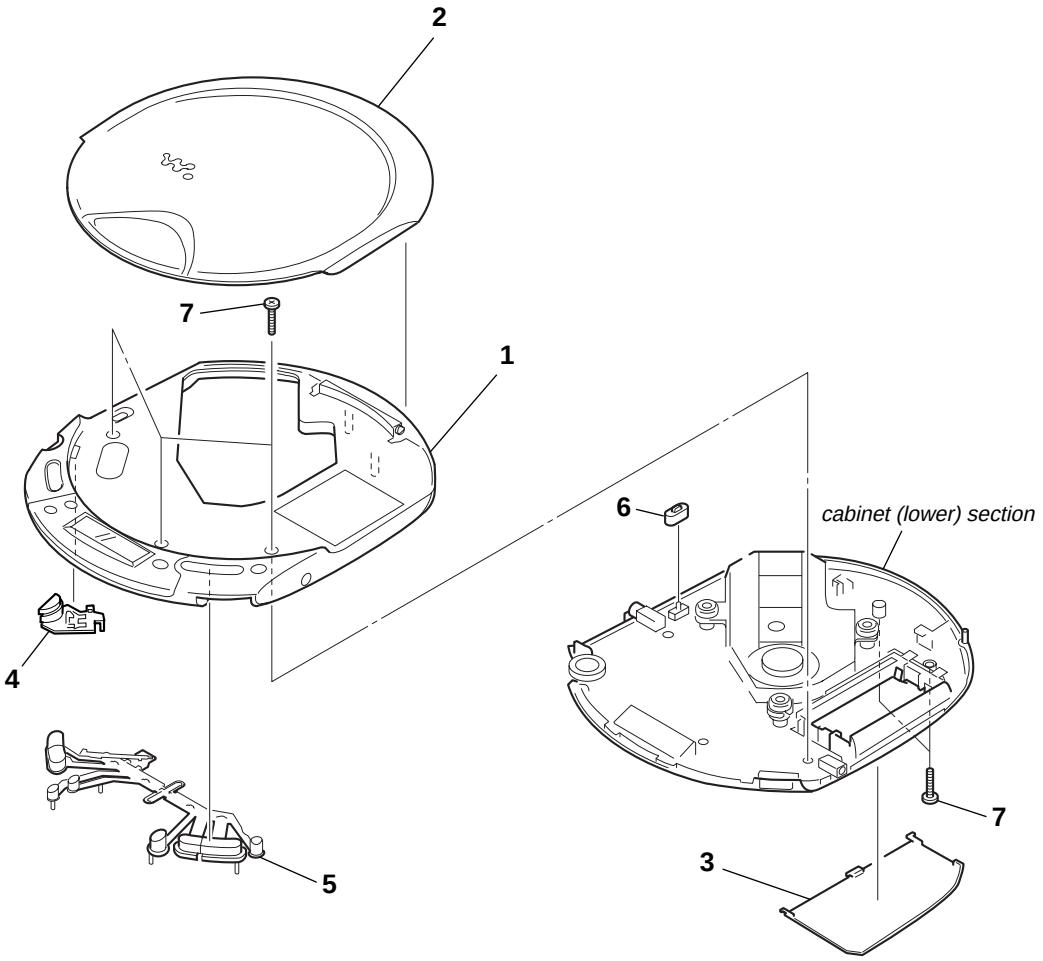
SECTION 6
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.
- Abbreviation
  FR : French model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

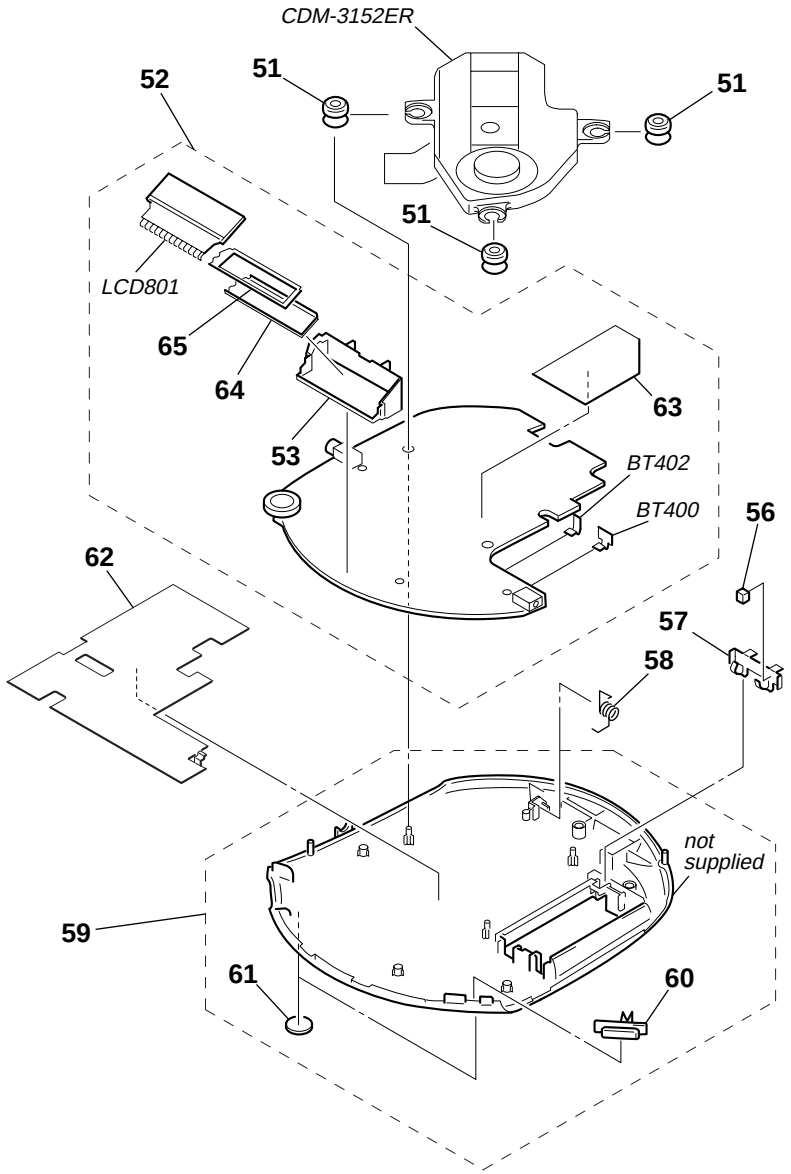
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. Cabinet (Front) Section



Ref. No.	Part No.	Description	Remarks
1	X-3382-194-1	CABINET (UPPER) SUB ASSY (CJ500)	
1	X-3382-195-1	CABINET (UPPER) SUB ASSY (CJ501)	
1	X-3382-196-1	CABINET (UPPER) SUB ASSY (CJ506CK)	
2	X-3382-060-1	LID ASSY, UPPER (CJ501)	
2	X-3382-061-1	LID ASSY, UPPER (CJ500)	
2	X-3382-063-1	LID ASSY, UPPER (CJ506CK)	
3	3-231-037-21	LID, BATTERY CASE	
4	3-231-897-01	BUTTON (OPEN) (CJ500/CJ501)	
4	3-231-897-11	BUTTON (OPEN) (CJ506CK)	
5	3-240-250-01	BUTTON	
6	3-232-612-01	KNOB (JOGGABLE)	
7	3-336-395-01	SCREW (B2X10) (G), TAPPING	

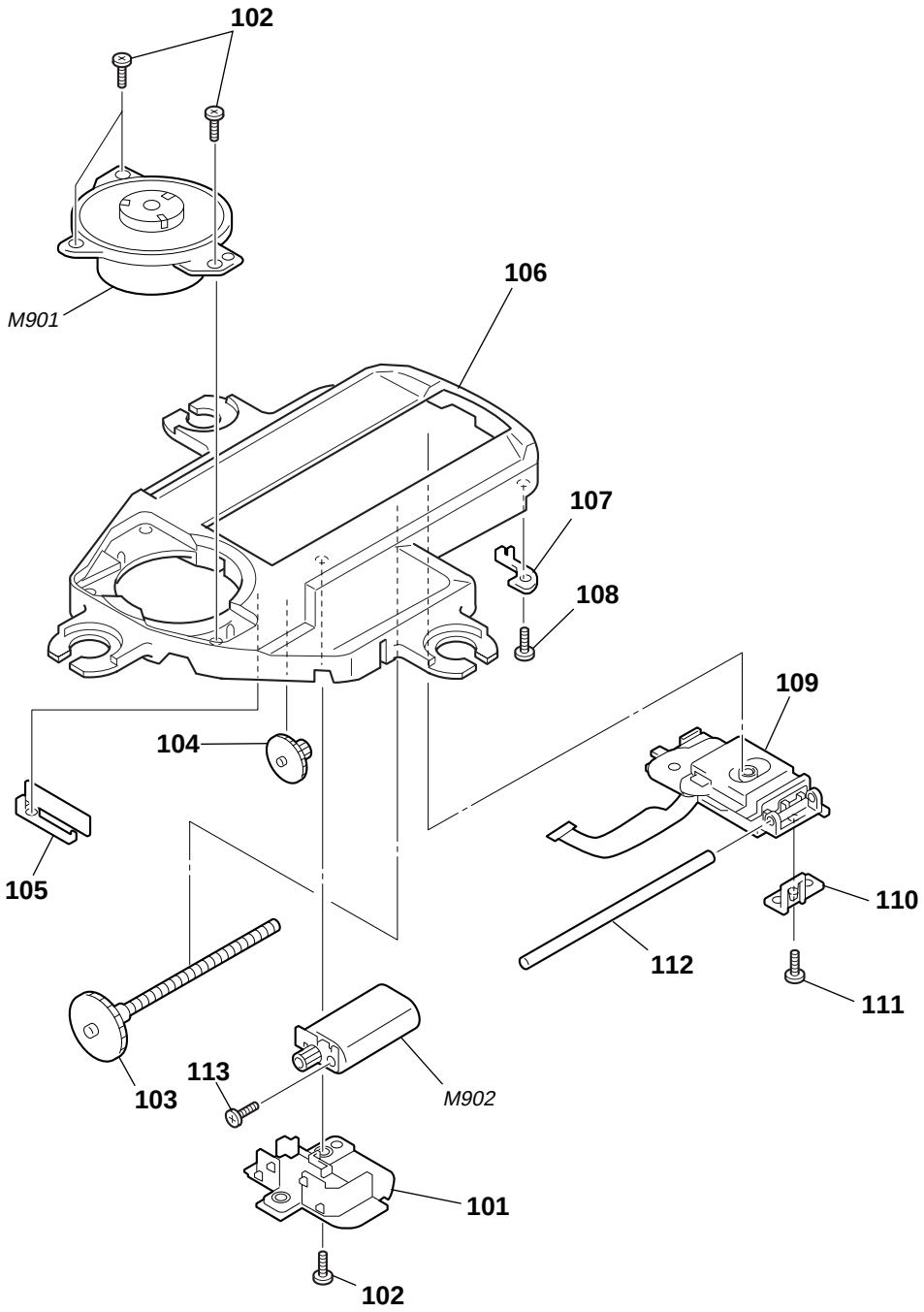
6-2. Cabinet (Lower) Section



Ref. No.	Part No.	Description	Remarks
51	4-222-765-11	INSULATOR	
* 52	A-3021-790-A	MAIN BOARD, COMPLETE (CJ506CK)	
* 52	A-3323-903-A	MAIN BOARD, COMPLETE (CJ500/CJ501:EXCEPT FR)	
52	A-3323-904-A	MAIN BOARD, COMPLETE (CJ501:FR)	
53	3-240-252-01	HOLDER (LCD) (CJ500/CJ501)	
53	3-240-252-11	HOLDER (LCD) (CJ506CK)	
56	4-218-592-01	CUSHION	
57	3-231-676-01	TERMINAL (LINK 4), BATTERY	
58	3-222-862-01	SPRING (TORSION)	
59	X-3382-059-1	CABINET (LOWER) SUB ASSY	

Ref. No.	Part No.	Description	Remarks
60	3-222-857-01	KNOB (HOLD)	
61	4-974-607-11	FOOT, RUBBER	
62	3-242-794-01	SHEET, SHIELD	
63	3-234-025-01	SHEET, INSULATING	
64	3-240-253-01	PLATE, LIGHT GUIDE (CJ506CK)	
65	3-240-254-01	ILLUMINATOR (CJ506CK)	
BT400	3-222-860-01	TERMINAL (+.-), BATTERY	
BT402	3-231-411-01	TERMINAL (-), BATTERY	
LCD801	1-804-652-21	DISPLAY PANEL, LIQUID CRYSTAL (CJ500/CJ501)	
LCD801	1-804-652-11	DISPLAY PANEL, LIQUID CRYSTAL (CJ506CK)	

6-3. Optical Pick-up Section (CDM-3125ER)



Ref. No.	Part No.	Description	Remarks
101	4-218-821-01	COVER, GEAR	
102	3-318-203-71	SCREW (B1.7X5), TAPPING	
103	A-3052-902-A	FEED ASSY, SCREW	
104	4-218-823-01	GEAR (B)	
105	4-218-825-01	SPRING, SLED	
106	3-235-420-01	CHASSIS	
107	4-218-827-02	RETAINER, SHAFT	
108	3-686-458-03	SCREW (P1.4X3.5), TAPPING	
⚠109	X-3380-950-1	OPTICAL PICK-UP (DAX-25E)	
110	3-235-418-01	RACK	

Ref. No.	Part No.	Description	Remarks
111	3-348-998-81	SCREW (M1.4)	
112	4-220-645-02	SHAFT, STANDARD	
113	4-964-564-01	SCREW (M1.2X1.6)	
M901	A-3052-904-A	MOTOR ASSY, TURN TABLE (SPINDLE)	
M902	A-3328-627-A	MOTOR ASSY, SLED (SLED)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  CND : Canadian model
  E13 : 220-230V AC area in E model
  E92 : Chilean and Peruvian model
  EE : East European model
  FR : French model
  AR : Argentine model
  AUS : Australian model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remarks
*	A-3021-790-A	MAIN BOARD, COMPLETE (CJ506CK)			
		**********			
*	A-3323-903-A	MAIN BOARD, COMPLETE (CJ500/CJ501:EXCEPT FR)			
		**********			
*	A-3323-904-A	MAIN BOARD, COMPLETE (CJ501:FR)			
		**********			
	3-234-025-01	SHEET, INSULATING			
	3-240-252-01	HOLDER (LCD) (CJ500/CJ501)			
	3-240-252-11	HOLDER (LCD) (CJ506CK)			
	3-240-253-01	PLATE, LIGHT GUIDE (CJ506CK)			
	3-240-254-01	ILLUMINATOR (CJ506CK)			
		< BATTERY TERMINAL>			
BT400	3-222-860-01	TERMINAL (+.–), BATTERY			
BT402	3-231-411-01	TERMINAL (–), BATTERY			
		< CAPACITOR >			
C102	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C103	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C104	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C202	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C203	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C204	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C301	1-126-369-11	ELECT	220uF	20%	6.3V
C302	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C303	1-124-233-11	ELECT	10uF	20.00%	16V
C304	1-124-233-11	ELECT	10uF	20.00%	16V
C305	1-115-467-11	CERAMIC CHIP	0.22uF	10.00%	10V
C306	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C401	1-115-156-11	CERAMIC CHIP	1uF		10V
C402	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C403	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C405	1-115-156-11	CERAMIC CHIP	1uF		10V
C406	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C407	1-115-467-11	CERAMIC CHIP	0.22uF	10.00%	10V
C409	1-124-233-11	ELECT	10uF	20.00%	16V

Ref. No.	Part No.	Description			Remarks
C411	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C412	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C413	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C414	1-124-584-00	ELECT	100uF	20%	10V
C415	1-124-584-00	ELECT	100uF	20%	10V
C416	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C417	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C418	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C419	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C420	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C421	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C422	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C423	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C424	1-137-934-91	TANTAL. CHIP	47uF	20%	10V
C425	1-124-584-00	ELECT	100uF	20%	10V
C426	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C429	1-124-589-11	ELECT	47uF	20%	16V
C430	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C431	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C432	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C433	1-124-233-11	ELECT	10uF	20.00%	16V
C434	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C435	1-124-589-11	ELECT	47uF	20%	16V
C436	1-124-589-11	ELECT	47uF	20%	16V
C437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C438	1-107-823-11	CERAMIC CHIP	0.47uF	10.00%	16V
C439	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C440	1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C441	1-126-369-11	ELECT	220uF	20%	6.3V
C443	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C444	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C445	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C446	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C447	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C500	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C501	1-124-234-00	ELECT	22uF	20%	16V
C601	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C602	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C604	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C605	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

MAIN

Ref. No.	Part No.	Description			Remarks
C606	1-107-823-11	CERAMIC CHIP	0.47uF	10.00%	16V
C607	1-107-823-11	CERAMIC CHIP	0.47uF	10.00%	16V
C608	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C609	1-119-750-11	TANTAL. CHIP	22uF	20.00%	6.3V
C610	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C611	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C612	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C613	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C614	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C615	1-119-750-11	TANTAL. CHIP	22uF	20.00%	6.3V
C616	1-124-584-00	ELECT	100uF	20%	10V
C617	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C618	1-119-750-11	TANTAL. CHIP	22uF	20.00%	6.3V
C619	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C621	1-115-156-11	CERAMIC CHIP	1uF		10V
C622	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C623	1-801-862-11	VARISTOR, CHIP			
C624	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C626	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C627	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C628	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C629	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C631	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C701	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C704	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C708	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C709	1-115-467-11	CERAMIC CHIP	0.22uF	10.00%	10V
C710	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C711	1-135-259-11	TANTAL. CHIP	10uF	20.00%	6.3V
C712	1-135-259-11	TANTAL. CHIP	10uF	20.00%	6.3V
C713	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C714	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C715	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C716	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C803	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C804	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C806	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C807	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C808	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C809	1-124-233-11	ELECT	10uF	20.00%	16V
C810	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C811	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C813	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C814	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C815	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C817	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C818	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C819	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C820	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C821	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
* CN501	1-816-237-21	CONNECTOR 15P			
CN502	1-784-342-21	HOUSING, CONNECTOR 2P			
CN503	1-784-342-11	HOUSING, CONNECTOR 2P			

Ref. No.	Part No.	Description			Remarks
		< DIODE >			
D402	8-719-081-83	DIODE CRS03(TE85L)			
D403	8-719-081-83	DIODE CRG01(TE85L)			
D404	8-719-072-70	DIODE MA2ZD14001S0			
D405	8-719-976-96	DIODE UDZ-TE-17-4.7B			
D405	8-719-083-60	DIODE UDZSTE-174.7B			
D406	8-719-404-50	DIODE MA111-TX			
D407	8-719-072-70	DIODE MA2ZD14001S0			
D408	8-719-058-24	DIODE RB501V-40TE-17			
D409	8-719-072-70	DIODE MA2ZD14001S0			
D410	8-719-072-70	DIODE MA2ZD14001S0			
D411	8-719-072-70	DIODE MA2ZD14001S0			
D412	8-719-420-87	DIODE MA8130-TX			
D801	8-719-044-74	DIODE MA792WK-TX			
D802	8-719-970-49	DIODE BR4361F (LCD BACK LIGHT) (CJ506CK)			
		< FERRITE BEAD >			
FB801	1-216-864-11	METAL CHIP	0	5%	1/16W
		< IC >			
IC301	8-759-681-65	IC TA2120FN(EL)			
IC401	8-759-714-74	IC TB2125F			
IC402	6-700-465-01	IC XC6383A301MR			
IC403	8-759-594-55	IC TC75S57F(TE85R)			
IC601	8-752-410-68	IC CXD3029R			
IC602	6-700-195-01	IC MSM51V17400F-10TK-FS			
IC701	6-702-068-01	IC CXD9717R-002			
IC703	8-759-655-22	IC TC7WH34FK(TE85R)			
IC801	6-801-429-01	IC uPD784216AY-1700			
IC802	6-700-466-01	IC XC61CC2102MR			
IC803	8-759-655-22	IC TC7WH34FK(TE85R)			
IC804	8-759-655-22	IC TC7WH34FK(TE85R)			
		< JACK >			
J301	1-565-287-41	JACK (🎧)			
J401	1-778-153-21	JACK,DC(POLARITY UNIFIED TYPE) (DC IN 4.5V)			
		< COIL >			
L101	1-414-760-21	FERRITE	0uH		
L201	1-414-760-21	FERRITE	0uH		
L301	1-410-389-31	INDUCTOR CHIP	47uH		
L401	1-412-056-11	INDUCTOR	4.7uH		
L402	1-412-056-11	INDUCTOR	4.7uH		
L403	1-414-398-11	INDUCTOR	10uH		
L404	1-419-387-21	INDUCTOR	100uH		
L405	1-410-389-31	INDUCTOR CHIP	47uH		
L406	1-410-389-31	INDUCTOR CHIP	47uH		
L407	1-400-145-21	INDUCTOR	47uH		
L408	1-400-145-21	INDUCTOR	47uH		
L409	1-410-389-31	INDUCTOR CHIP	47uH		
L410	1-410-389-31	INDUCTOR CHIP	47uH		
L411	1-410-389-31	INDUCTOR CHIP	47uH		
L601	1-414-398-11	INDUCTOR	10uH		
L603	1-469-570-21	INDUCTOR	10uH		
L604	1-216-864-11	METAL CHIP	0	5%	1/16W

Ref. No.	Part No.	Description			Remarks
		< LIQUID CRYSTAL DISPLAY >			
LCD801	1-804-652-11	DISPLAY PANEL, LIQUID CRYSTAL (CJ506CK)			
LCD801	1-804-652-21	DISPLAY PANEL, LIQUID CRYSTAL			(CJ500/CJ501)
		< TRANSISTOR >			
Q401	8-729-807-34	TRANSISTOR	2SB1188-T100-QR		
Q402	8-729-028-97	TRANSISTOR	DTC114TUA-T106		
Q403	8-729-427-74	TRANSISTOR	XP4601-TXE		
Q404	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR		
Q405	8-729-905-40	TRANSISTOR	2SC4081T106		
Q406	8-729-922-10	TRANSISTOR	2SA1577-T106-QR		
Q407	8-729-047-36	TRANSISTOR	CPH3303-TL		
Q408	8-729-905-40	TRANSISTOR	2SC4081T106		
Q409	8-729-047-36	TRANSISTOR	CPH3303-TL		
Q410	8-729-047-36	TRANSISTOR	CPH3303-TL		
Q701	8-729-029-15	TRANSISTOR	DTC144TUA-T106		
Q801	8-729-029-15	TRANSISTOR	DTC144TUA-T106		
Q802	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR		
Q803	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR		
Q804	8-729-924-65	TRANSISTOR	DTC123YUA-T106 (CJ506CK)		
		< RESISTOR >			
R101	1-216-841-11	METAL CHIP	47K	5%	1/16W
R102	1-216-821-11	METAL CHIP	1K	5%	1/16W
R104	1-216-833-11	METAL CHIP	10K	5%	1/16W
R105	1-216-793-11	RES-CHIP	4.7	5%	1/10W
R201	1-216-841-11	METAL CHIP	47K	5%	1/16W
R202	1-216-821-11	METAL CHIP	1K	5%	1/16W
R203	1-216-793-11	RES-CHIP	4.7	5%	1/10W
R204	1-216-833-11	METAL CHIP	10K	5%	1/16W
R301	1-414-813-11	FERRITE	0uH		
R303	1-216-864-11	METAL CHIP	0	5%	1/16W
R402	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R403	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R404	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R405	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R406	1-216-841-11	METAL CHIP	47K	5%	1/16W
R407	1-216-845-11	METAL CHIP	100K	5%	1/16W
R408	1-216-845-11	METAL CHIP	100K	5%	1/16W
R413	1-216-813-11	METAL CHIP	220	5%	1/16W
R414	1-216-833-11	METAL CHIP	10K	5%	1/16W
R415	1-216-821-11	METAL CHIP	1K	5%	1/16W
R416	1-216-821-11	METAL CHIP	1K	5%	1/16W
R417	1-216-789-11	METAL CHIP	2.2	5%	1/16W
R418	1-216-833-11	METAL CHIP	10K	5%	1/16W
R419	1-216-821-11	METAL CHIP	1K	5%	1/16W
R420	1-216-837-11	METAL CHIP	22K	5%	1/16W
R421	1-216-821-11	METAL CHIP	1K	5%	1/16W
R422	1-216-833-11	METAL CHIP	10K	5%	1/16W
R423	1-216-853-11	METAL CHIP	470K	5%	1/16W
R424	1-216-841-11	METAL CHIP	47K	5%	1/16W
R425	1-216-845-11	METAL CHIP	100K	5%	1/16W
R426	1-216-864-11	METAL CHIP	0	5%	1/16W
R428	1-216-849-11	METAL CHIP	220K	5%	1/16W
R430	1-216-857-11	METAL CHIP	1M	5%	1/16W
R431	1-216-833-11	METAL CHIP	10K	5%	1/16W
R432	1-218-903-11	METAL CHIP	220K	0.5%	1/10W

Ref. No.	Part No.	Description			Remarks
R433	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R434	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R435	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R437	1-216-853-11	METAL CHIP	470K	5%	1/16W
R438	1-216-841-11	METAL CHIP	47K	5%	1/16W
R439	1-216-841-11	METAL CHIP	47K	5%	1/16W
R440	1-216-857-11	METAL CHIP	1M	5%	1/16W
R441	1-216-841-11	METAL CHIP	47K	5%	1/16W
R442	1-216-864-11	METAL CHIP	0	5%	1/16W
R444	1-216-853-11	METAL CHIP	470K	5%	1/16W
R445	1-216-845-11	METAL CHIP	100K	5%	1/16W
R446	1-216-857-11	METAL CHIP	1M	5%	1/16W
R447	1-216-841-11	METAL CHIP	47K	5%	1/16W
R448	1-216-857-11	METAL CHIP	1M	5%	1/16W
R450	1-414-760-21	FERRITE	0uH		
R451	1-414-760-21	FERRITE	0uH		
R452	1-414-760-21	FERRITE	0uH		
R453	1-216-853-11	METAL CHIP	470K	5%	1/16W
R457	1-216-845-11	METAL CHIP	100K	5%	1/16W
R458	1-216-845-11	METAL CHIP	100K	5%	1/16W
R459	1-216-817-11	METAL CHIP	470	5%	1/16W
R460	1-216-841-11	METAL CHIP	47K	5%	1/16W
R461	1-469-152-11	FERRITE	0uH		
R462	1-469-152-11	FERRITE	0uH		
R463	1-216-295-91	SHORT	0		
R464	1-216-833-11	METAL CHIP	10K	5%	1/16W
R465	1-216-833-11	METAL CHIP	10K	5%	1/16W
R466	1-216-837-11	METAL CHIP	22K	5%	1/16W
R467	1-216-837-11	METAL CHIP	22K	5%	1/16W
R468	1-216-295-91	SHORT	0		
R469	1-216-864-11	METAL CHIP	0	5%	1/16W
R470	1-216-864-11	METAL CHIP	0	5%	1/16W
R501	1-216-864-11	METAL CHIP	0	5%	1/16W
R601	1-216-837-11	METAL CHIP	22K	5%	1/16W
R602	1-216-841-11	METAL CHIP	47K	5%	1/16W
R603	1-216-837-11	METAL CHIP	22K	5%	1/16W
R604	1-216-845-11	METAL CHIP	100K	5%	1/16W
R605	1-216-837-11	METAL CHIP	22K	5%	1/16W
R606	1-216-845-11	METAL CHIP	100K	5%	1/16W
R607	1-216-837-11	METAL CHIP	22K	5%	1/16W
R609	1-216-837-11	METAL CHIP	22K	5%	1/16W
R611	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R612	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R613	1-216-833-11	METAL CHIP	10K	5%	1/16W
R614	1-216-857-11	METAL CHIP	1M	5%	1/16W
R615	1-216-853-11	METAL CHIP	470K	5%	1/16W
R616	1-216-833-11	METAL CHIP	10K	5%	1/16W
R617	1-216-853-11	METAL CHIP	470K	5%	1/16W
R618	1-216-809-11	METAL CHIP	100	5%	1/16W
R619	1-216-841-11	METAL CHIP	47K	5%	1/16W
R620	1-216-864-11	METAL CHIP	0	5%	1/16W
R622	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R623	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R624	1-216-017-91	RES-CHIP	47	5%	1/10W
R625	1-216-837-11	METAL CHIP	22K	5%	1/16W

MAIN

Ref. No.	Part No.	Description			Remarks
R626	1-216-833-11	METAL CHIP	10K	5%	1/16W
R627	1-216-837-11	METAL CHIP	22K	5%	1/16W
R628	1-216-833-11	METAL CHIP	10K	5%	1/16W
R629	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R630	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R631	1-216-833-11	METAL CHIP	10K	5%	1/16W
R632	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R633	1-216-833-11	METAL CHIP	10K	5%	1/16W
R634	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R635	1-216-833-11	METAL CHIP	10K	5%	1/16W
R636	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R637	1-216-833-11	METAL CHIP	10K	5%	1/16W
R638	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R639	1-216-833-11	METAL CHIP	10K	5%	1/16W
R640	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R641	1-216-837-11	METAL CHIP	22K	5%	1/16W
R642	1-216-833-11	METAL CHIP	10K	5%	1/16W
R643	1-216-864-11	METAL CHIP	0	5%	1/16W
R644	1-414-760-21	FERRITE	0uH		
R645	1-216-833-11	METAL CHIP	10K	5%	1/16W
R646	1-216-833-11	METAL CHIP	10K	5%	1/16W
R651	1-216-833-11	METAL CHIP	10K	5%	1/16W
R652	1-216-833-11	METAL CHIP	10K	5%	1/16W
R653	1-216-857-11	METAL CHIP	1M	5%	1/16W
R654	1-216-845-11	METAL CHIP	100K	5%	1/16W
R701	1-216-864-11	METAL CHIP	0	5%	1/16W
R702	1-216-853-11	METAL CHIP	470K	5%	1/16W
R703	1-216-853-11	METAL CHIP	470K	5%	1/16W
R705	1-216-853-11	METAL CHIP	470K	5%	1/16W
R706	1-216-853-11	METAL CHIP	470K	5%	1/16W
R707	1-801-862-11	VARISTOR, CHIP			
R708	1-216-853-11	METAL CHIP	470K	5%	1/16W
R710	1-216-845-11	METAL CHIP	100K	5%	1/16W
R711	1-216-853-11	METAL CHIP	470K	5%	1/16W
R712	1-216-853-11	METAL CHIP	470K	5%	1/16W
R713	1-216-845-11	METAL CHIP	100K	5%	1/16W
R714	1-216-821-11	METAL CHIP	1K	5%	1/16W
R715	1-216-864-11	METAL CHIP	0	5%	1/16W
R716	1-216-864-11	METAL CHIP	0	5%	1/16W
R717	1-216-821-11	METAL CHIP	1K	5%	1/16W
R718	1-216-853-11	METAL CHIP	470K	5%	1/16W
R719	1-216-853-11	METAL CHIP	470K	5%	1/16W
R720	1-216-853-11	METAL CHIP	470K	5%	1/16W
R722	1-216-821-11	METAL CHIP	1K	5%	1/16W
R723	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R724	1-216-853-11	METAL CHIP	470K	5%	1/16W
R725	1-216-853-11	METAL CHIP	470K	5%	1/16W
R726	1-216-853-11	METAL CHIP	470K	5%	1/16W
R727	1-216-853-11	METAL CHIP	470K	5%	1/16W
R728	1-216-813-11	METAL CHIP	220	5%	1/16W
R729	1-216-813-11	METAL CHIP	220	5%	1/16W
R730	1-216-853-11	METAL CHIP	470K	5%	1/16W
R731	1-216-857-11	METAL CHIP	1M	5%	1/16W
R732	1-414-760-21	FERRITE	0uH		
R734	1-216-853-11	METAL CHIP	470K	5%	1/16W

Ref. No.	Part No.	Description			Remarks
R737	1-216-864-11	METAL CHIP	0	5%	1/16W
R738	1-216-864-11	METAL CHIP	0	5%	1/16W
R739	1-216-864-11	METAL CHIP	0	5%	1/16W
R740	1-216-864-11	METAL CHIP	0	5%	1/16W
R741	1-216-864-11	METAL CHIP	0	5%	1/16W
R742	1-216-853-11	METAL CHIP	470K	5%	1/16W
R746	1-216-853-11	METAL CHIP	470K	5%	1/16W
R747	1-216-864-11	METAL CHIP	0	5%	1/16W
R801	1-216-845-11	METAL CHIP	100K	5%	1/16W
R802	1-216-845-11	METAL CHIP	100K	5%	1/16W
R803	1-216-864-11	METAL CHIP	0	5%	1/16W
R804	1-216-853-11	METAL CHIP	470K	5%	1/16W
R805	1-216-837-11	METAL CHIP	22K	5%	1/16W
R806	1-216-845-11	METAL CHIP	100K	5%	1/16W
R807	1-216-845-11	METAL CHIP	100K	5%	1/16W
R808	1-216-833-11	METAL CHIP	10K	5%	1/16W
R809	1-216-864-11	METAL CHIP	0	5%	1/16W
R810	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R811	1-216-857-11	METAL CHIP	1M	5%	1/16W
R812	1-216-864-11	METAL CHIP	0	5%	1/16W
R813	1-216-833-11	METAL CHIP	10K	5%	1/16W
R814	1-216-821-11	METAL CHIP	1K	5%	1/16W
R815	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R816	1-216-833-11	METAL CHIP	10K	5%	1/16W
R817	1-216-821-11	METAL CHIP	1K	5%	1/16W
R818	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R819	1-216-833-11	METAL CHIP	10K	5%	1/16W
R820	1-216-864-11	METAL CHIP	0	5%	1/16W
R822	1-216-849-11	METAL CHIP	220K	5%	1/16W
R823	1-216-849-11	METAL CHIP	220K	5%	1/16W
R824	1-216-864-11	METAL CHIP	0	5%	1/16W
R825	1-216-805-11	METAL CHIP	47	5%	1/16W (CJ506CK)
R826	1-216-864-11	METAL CHIP	0	5%	1/16W
R827	1-216-864-11	METAL CHIP	0	5%	1/16W
R828	1-216-864-11	METAL CHIP	0	5%	1/16W (CJ501:FR)
R829	1-216-833-11	METAL CHIP	10K	5%	1/16W
R830	1-216-833-11	METAL CHIP	10K	5%	1/16W
R831	1-216-864-11	METAL CHIP	0	5%	1/16W
		< VARIABLE RESISTOR >			
RV301	1-225-953-11	RES, VAR, MAIN CARBON 10K/10K (VOLUME ◢)			
		< SWITCH >			
S801	1-692-440-11	SWITCH, PUSH (CD DOOR OPEN)			
S802	1-553-977-00	SWITCH, SLIDE (G-PRO)			
S803	1-762-078-11	SWITCH, SLIDE (HOLD ▬◣)			
S804	1-692-014-11	SWITCH, KEY BOARD (MENU)			
S805	1-692-014-11	SWITCH, KEY BOARD (DISPLAY)			
S806	1-692-014-11	SWITCH, KEY BOARD (FOLDER +)			
S807	1-692-014-11	SWITCH, KEY BOARD (FOLDER -)			
S808	1-692-014-11	SWITCH, KEY BOARD (► ►►I)			
S809	1-692-014-11	SWITCH, KEY BOARD (■)			
S810	1-692-014-11	SWITCH, KEY BOARD (I◄◄)			
S811	1-692-014-11	SWITCH, KEY BOARD (SOUND)			

Ref. No.	Part No.	Description	Remarks
		< VARISTOR >	
VDR101	1-801-862-11	VARISTOR, CHIP	
VDR201	1-801-862-11	VARISTOR, CHIP	
VDR301	1-801-862-11	VARISTOR, CHIP	
VDR401	1-801-862-11	VARISTOR, CHIP	
VDR402	1-801-862-11	VARISTOR, CHIP	
VDR403	1-801-862-11	VARISTOR, CHIP	
VDR601	1-801-862-11	VARISTOR, CHIP	
		< VIBRATOR >	
X601	1-795-218-21	VIBRATOR, CERAMIC 16.9MHz	
X801	1-795-313-21	VIBRATOR, CERAMIC 8MHz	

****

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS	
		**********	
⚠109	X-3380-950-1	OPTICAL PICK-UP (DAX-25E)	
M901	A-3052-904-A	MOTOR ASSY, TURN TABLE (SPINDLE)	
M902	A-3328-627-A	MOTOR ASSY, SLED (SLED)	

****

		ACCESSORIES	
		**********	
	1-251-696-11	CONNECTING PACK, CAR (CJ506CK)	
⚠	1-476-845-11	ADAPTOR, AC (AC-ES455) (CJ501:AEP,FR,EE,E13)	
⚠	1-476-848-11	ADAPTOR, AC (AC-ES455) (CJ501:UK)	
⚠	1-476-849-11	ADAPTOR, AC (AC-ES455) (CJ501:AR)	
⚠	1-476-850-11	ADAPTOR, AC (AC-ES455) (CJ506CK:AUS)	
⚠	1-476-851-11	ADAPTOR, AC (AC-ES455) (CJ501:CND,E92/CJ506CK:US)	
⚠	1-784-619-52	CORD, CAR BATTERY (CJ506CK)	
	3-240-972-11	MANUAL, INSTRUCTION (SPANISH) (CJ501:AEP,E92,AR)	
	3-240-972-21	MANUAL, INSTRUCTION (ENGLISH) (CJ501:CND,AEP,UK,EE,E92,AR)	
	3-240-972-31	MANUAL, INSTRUCTION (FRENCH) (CJ501:CND,AEP,FR)	
	3-240-972-41	MANUAL, INSTRUCTION (DUTCH) (CJ501:AEP,EE)	
	3-240-972-51	MANUAL, INSTRUCTION (SWEDISH) (CJ501:AEP)	
	3-240-972-61	MANUAL, INSTRUCTION (PORTUGUESE) (CJ501:AEP,E92)	
	3-240-972-71	MANUAL, INSTRUCTION (GERMAN) (CJ501:AEP)	
	3-240-972-81	MANUAL, INSTRUCTION (ITALIAN) (CJ501:AEP)	
	3-240-972-91	MANUAL, INSTRUCTION (FINNISH) (CJ501:AEP)	
	3-240-973-11	MANUAL, INSTRUCTION (CHINESE) (CJ501:E13)	
	3-240-973-21	MANUAL, INSTRUCTION (ENGLISH) (CJ501:E13)	
	3-240-974-11	MANUAL, INSTRUCTION (RUSSIAN) (CJ501:EE)	
	3-240-974-21	MANUAL, INSTRUCTION (CZECH) (CJ501:EE)	
	3-240-974-31	MANUAL, INSTRUCTION (HUNGARIAN) (CJ501:EE)	
	3-240-974-41	MANUAL, INSTRUCTION (POLISH) (CJ501:EE)	
	3-240-974-51	MANUAL, INSTRUCTION (SLOVAK) (CJ501:EE)	
	3-240-974-61	MANUAL, INSTRUCTION (ENGLISH) (CJ500)	
	3-240-975-11	MANUAL, INSTRUCTION (ENGLISH) (CJ506CK:US)	
	3-240-975-21	MANUAL, INSTRUCTION (ENGLISH) (CJ506CK:AUS)	
	8-954-007-93	RECEVER, EAR MDR-027LP/1 SET (CJ500/CJ506CK:US)	
	8-954-008-92	RECEIVER, EAR MDR-E808LP/C SET (CJ501/CJ506CK:AUS)	

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2002.03	New
1.1	2002.05	Addition of E13 and AEP models for D-CJ501 Addition of Australian model for D-CJ506CK Change of the supply form of service parts (ENG-02017)